

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012721\
 Data File : VN065626.D
 Acq On : 27 Jan 2021 13:46
 Operator : JC/MD
 Sample : M1190-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41053

Manual Integrations
 APPROVED

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 1/28/2021 2:14:00 PM

Quant Time: Jan 28 02:12:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.624	168	214263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	372096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	330556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	132706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.988	65	133868	47.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.98%		
35) Dibromofluoromethane	7.550	113	108719	49.31	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.62%		
50) Toluene-d8	10.058	98	465609	53.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.44%		
62) 4-Bromofluorobenzene	12.373	95	161030	51.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.18%		
Target Compounds					Qvalue	
16) Acetone	3.782	43	84026	76.57	ug/l	96
19) Methyl tert-butyl Ether	4.997	73	15982	1.84	ug/l #	75
20) Methylene Chloride	4.502	84	1901	0.63	ug/l #	92
22) Diisopropyl ether	5.907	45	8169	0.83	ug/l #	86
25) 2-Butanone	6.808	43	13582	7.89	ug/l	89
39) Methylcyclohexane	9.039	83	2032	0.44	ug/l	95
40) Benzene	8.000	78	280196	24.50	ug/l	100
52) Toluene	10.122	92	957048	141.29	ug/l	98
67) Ethyl Benzene	11.479	91	213489	16.43	ug/l	96
68) m/p-Xylenes	11.589	106	362188	77.01	ug/l	96
69) o-Xylene	11.917	106	257662	56.54	ug/l	95
73) Isopropylbenzene	12.219	105	11300	0.97	ug/l	98
78) n-propylbenzene	12.563	91	36292	2.65	ug/l	95
80) 1,3,5-Trimethylbenzene	12.704	105	94582	9.56	ug/l	98
84) 1,2,4-Trimethylbenzene	13.010	105	327338	33.17	ug/l	100
86) p-Isopropyltoluene	13.257	119	2850m	0.29	ug/l	
89) n-Butylbenzene	13.582	91	4442m	0.50	ug/l	
95) Naphthalene	15.100	128	156042	20.35	ug/l	100

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

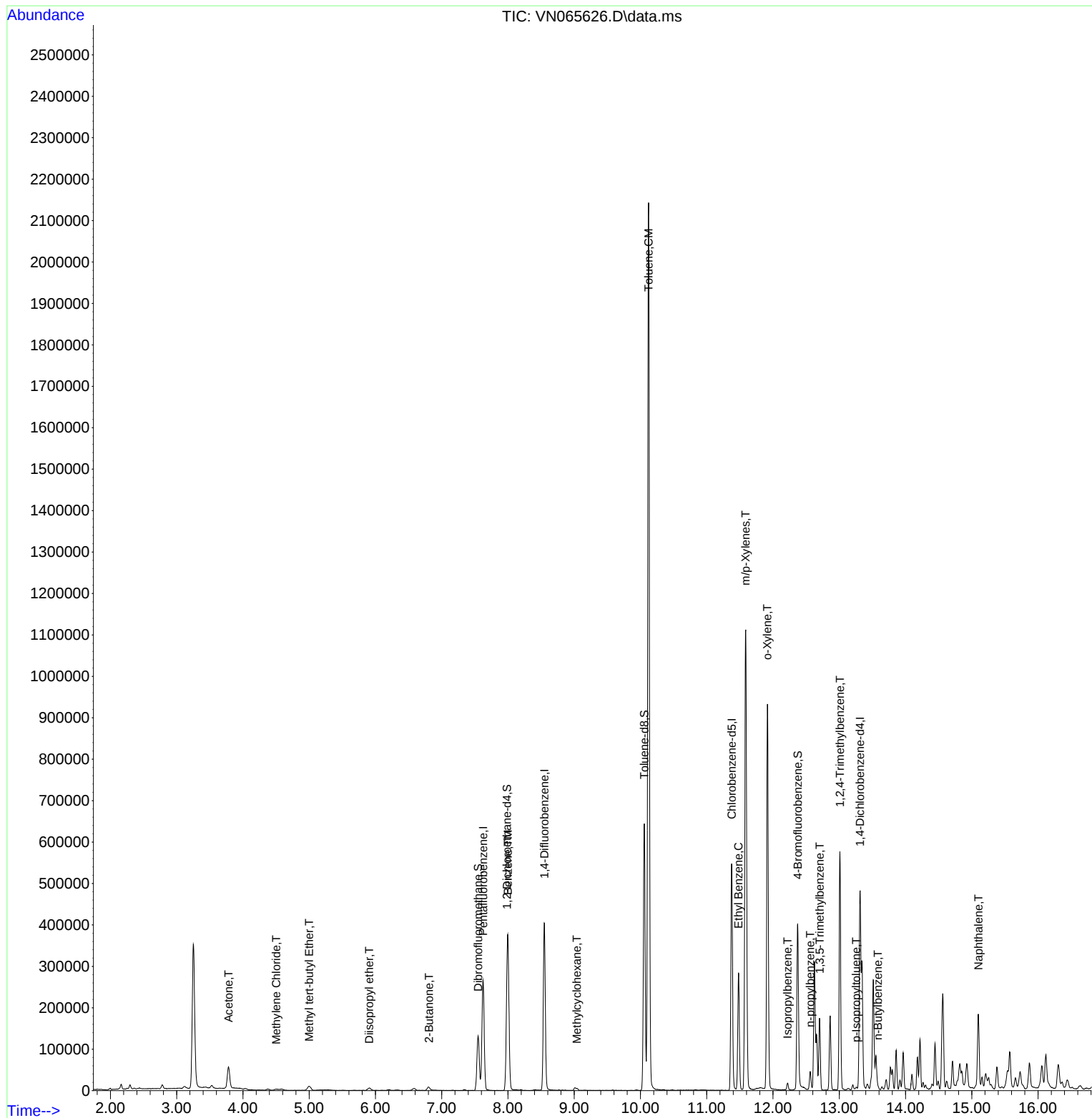
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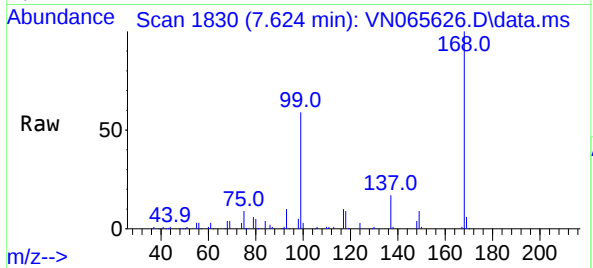
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Quant Time: Jan 28 02:12:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 2021
Response via : Initial Calibration

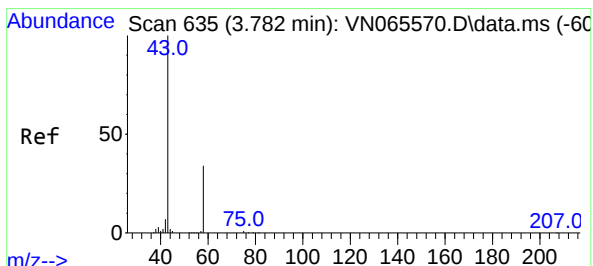
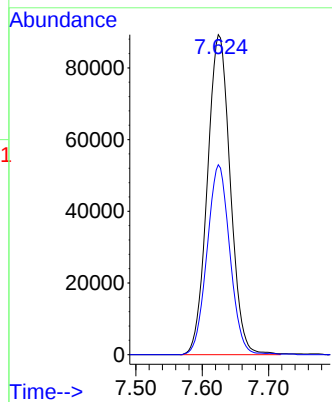
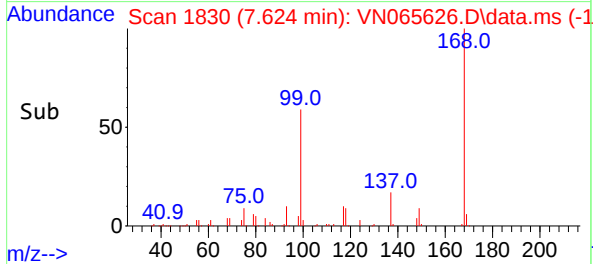




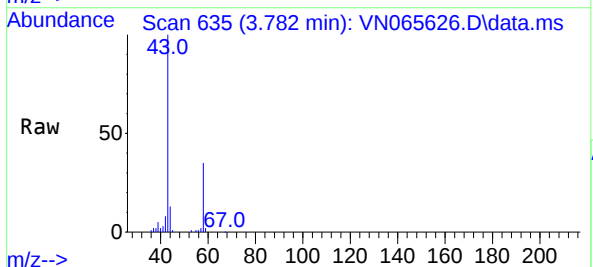
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065626.D
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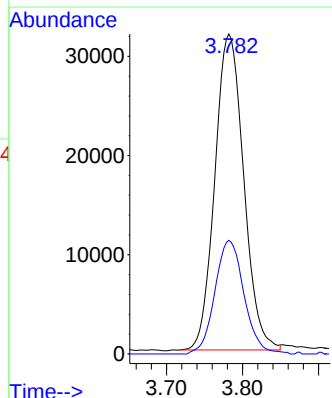
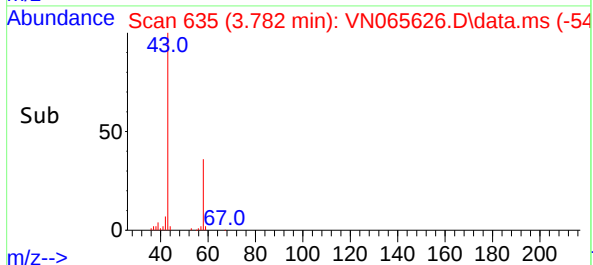
Tgt Ion:168 Resp: 214263
Ion Ratio Lower Upper
168 100
99 59.4 42.6 63.8



#16
Acetone
Concen: 76.57 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46



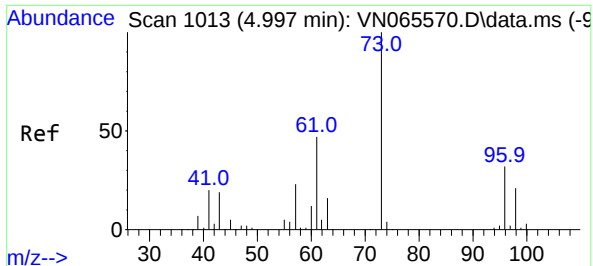
Tgt Ion: 43 Resp: 84026
Ion Ratio Lower Upper
43 100
58 35.9 27.0 40.6



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#19

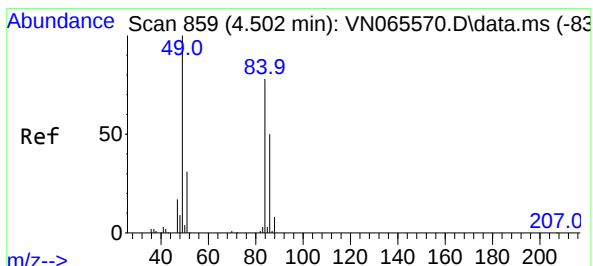
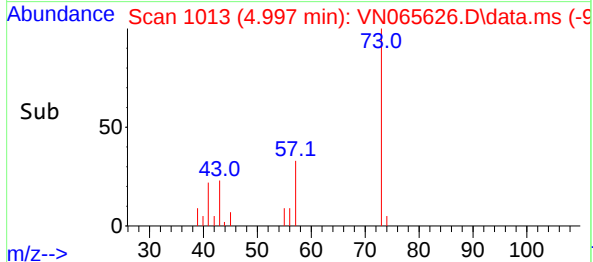
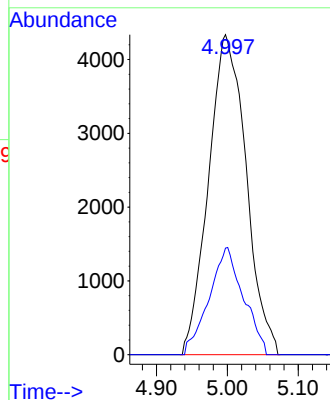
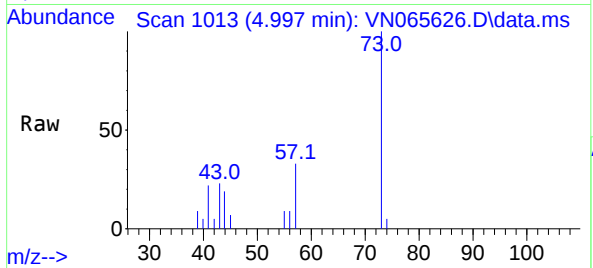
Methyl tert-butyl Ether
Concen: 1.84 ug/l
RT: 4.997 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VN065626.D
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Tgt Ion: 73 Resp: 15982
Ion Ratio Lower Upper
73 100
57 33.3 17.3 25.9#

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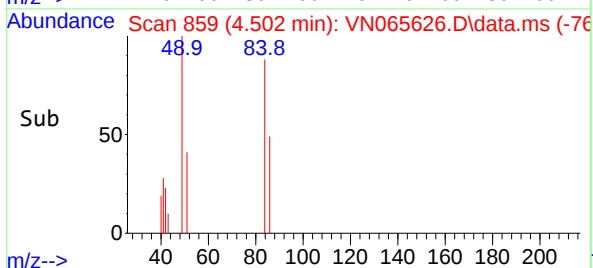
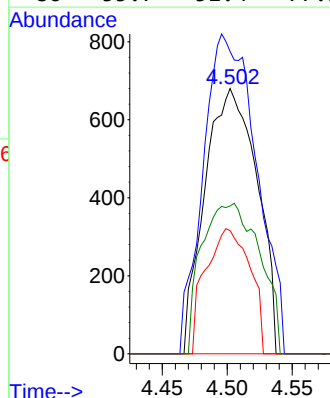
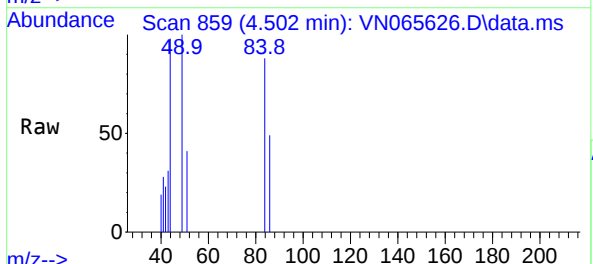
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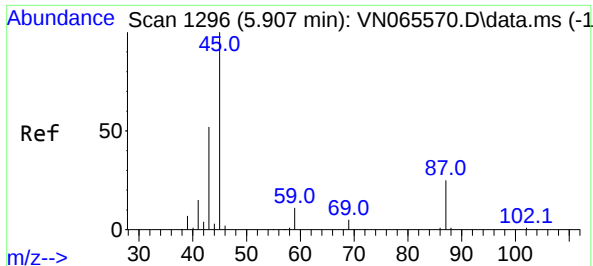


#20

Methylene Chloride
Concen: 0.63 ug/l
RT: 4.502 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion: 84 Resp: 1901
Ion Ratio Lower Upper
84 100
49 114.0 94.6 141.8
51 46.5 29.9 44.9#
86 55.7 51.4 77.2





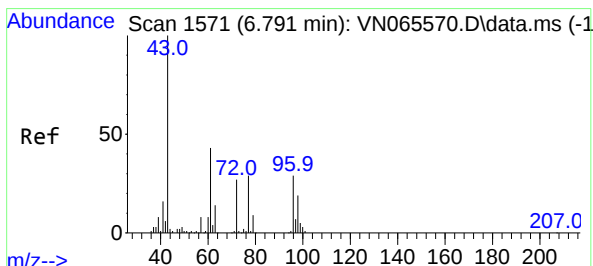
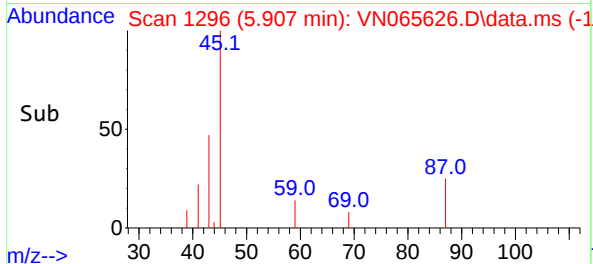
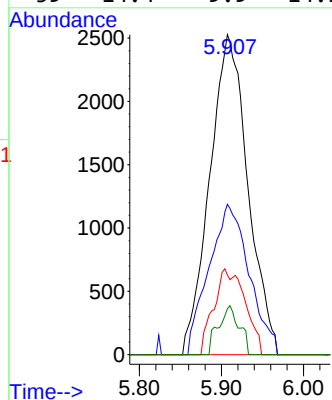
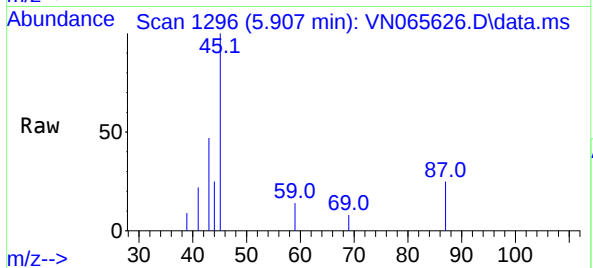
#22
Diisopropyl ether
Concen: 0.83 ug/l
RT: 5.907 min Scan# 1296
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion:	45	Resp:	8169
Ion	Ratio	Lower	Upper
45	100		
43	47.0	48.9	73.3#
87	24.9	23.7	35.5
59	14.4	9.9	14.9

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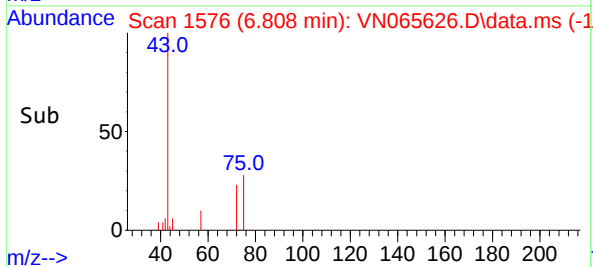
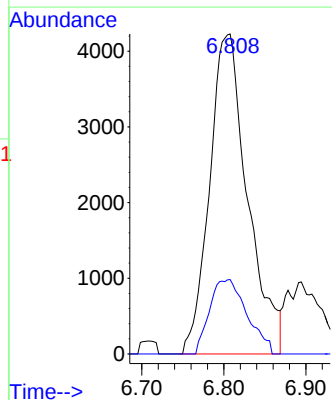
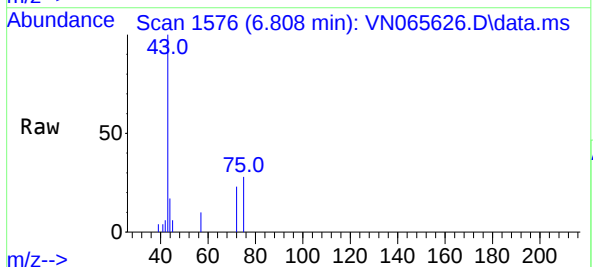
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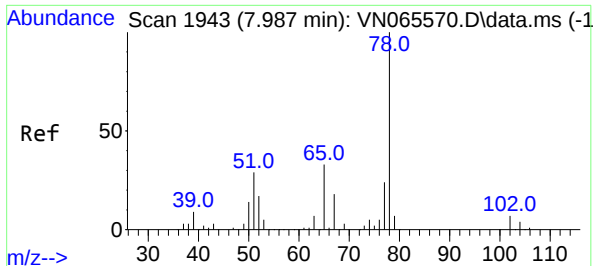
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#25
2-Butanone
Concen: 7.89 ug/l
RT: 6.808 min Scan# 1576
Delta R.T. 0.016 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion:	43	Resp:	13582
Ion	Ratio	Lower	Upper
43	100		
72	23.2	23.1	34.7





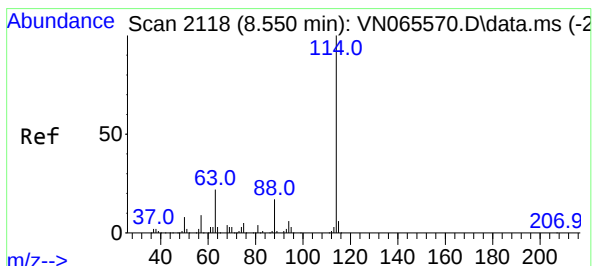
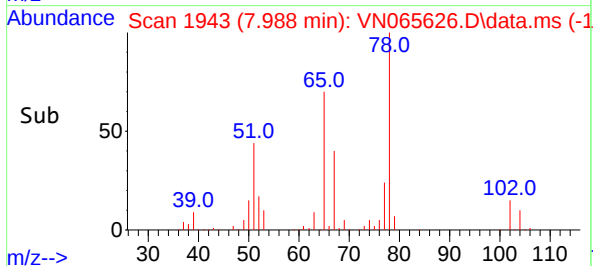
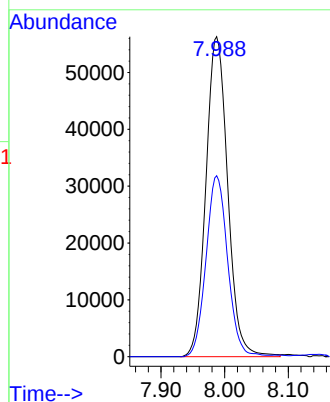
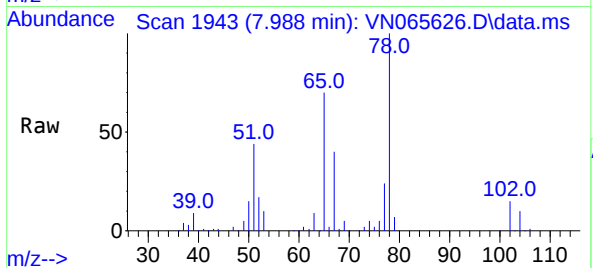
#33
1,2-Dichloroethane-d4
Concen: 47.49 ug/l
RT: 7.988 min Scan# 1943
Delta R.T. 0.001 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion: 65 Resp: 133868
Ion Ratio Lower Upper
65 100
67 56.2 0.0 107.2

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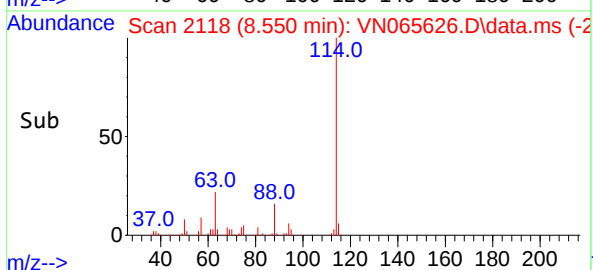
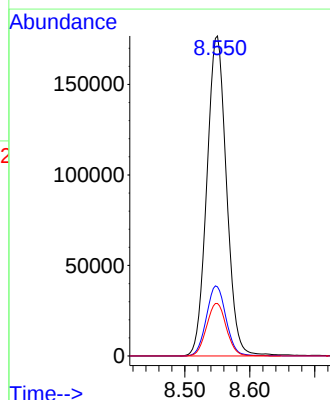
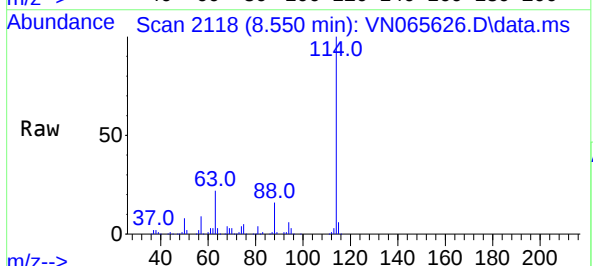
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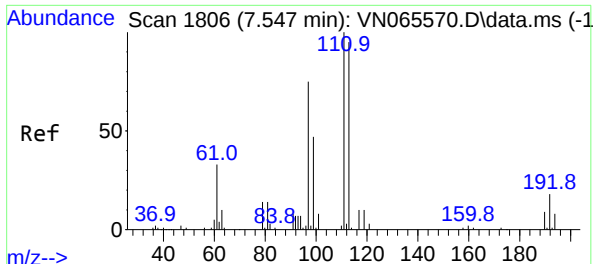
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion: 114 Resp: 372096
Ion Ratio Lower Upper
114 100
63 21.6 0.0 38.6
88 16.4 0.0 30.6





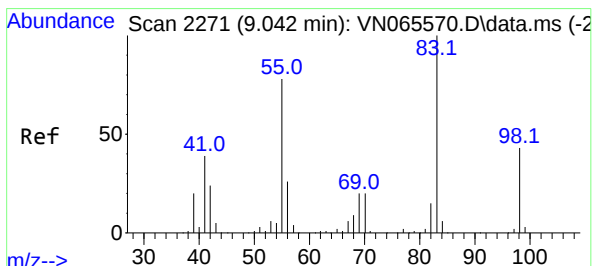
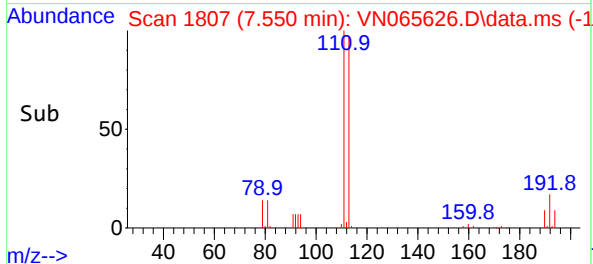
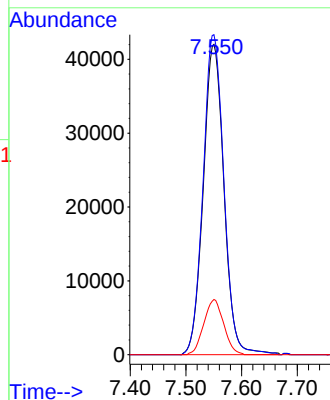
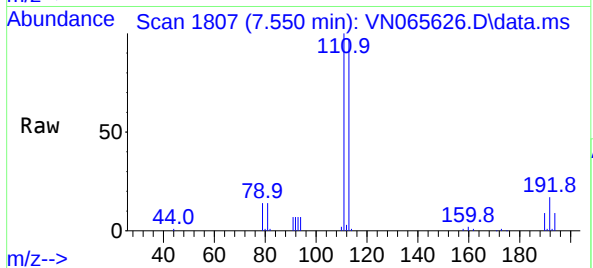
#35
Dibromofluoromethane
Concen: 49.31 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion: 113 Resp: 108719
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 17.1 15.4 23.0

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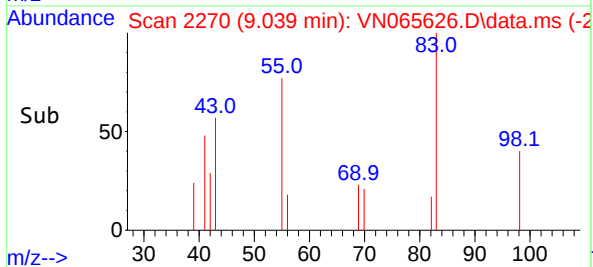
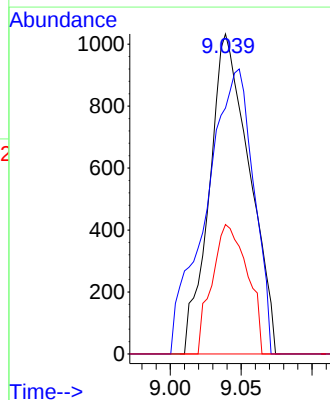
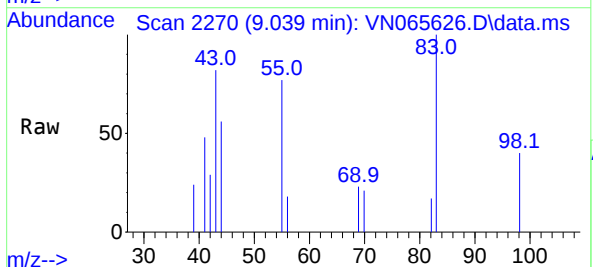
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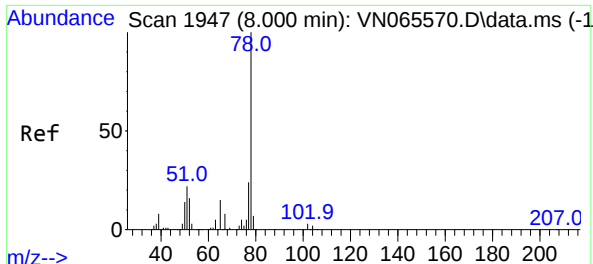
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#39
Methylcyclohexane
Concen: 0.44 ug/l
RT: 9.039 min Scan# 2270
Delta R.T. -0.003 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

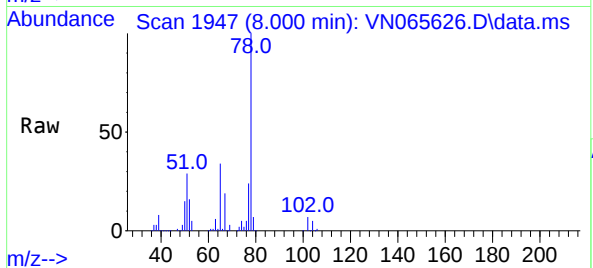
Tgt Ion: 83 Resp: 2032
Ion Ratio Lower Upper
83 100
55 76.9 58.9 88.3
98 40.5 35.9 53.9





#40
Benzene
Concen: 24.50 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

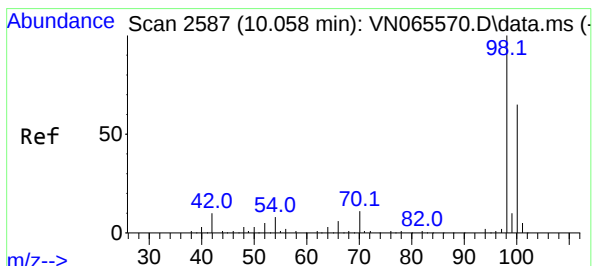
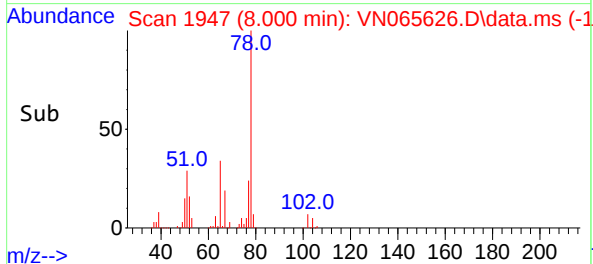
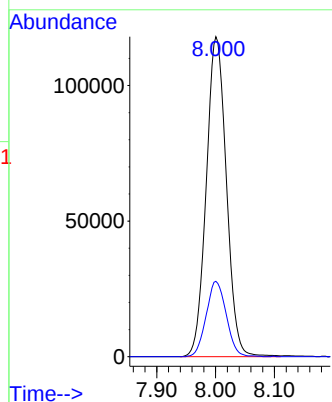
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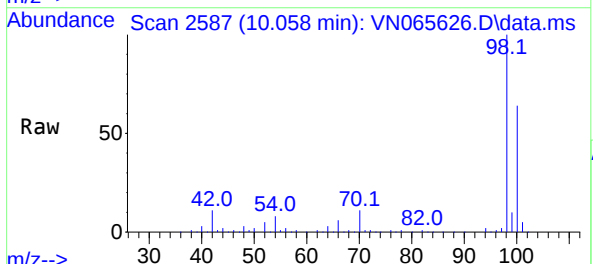
Tgt Ion: 78 Resp: 280196
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

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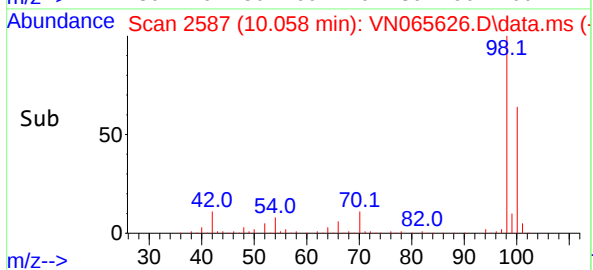
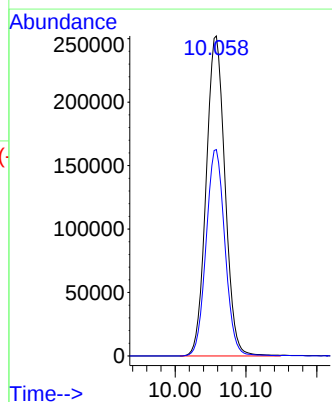
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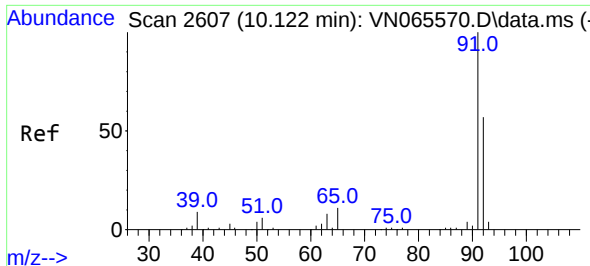


#50
Toluene-d8
Concen: 53.72 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46



Tgt Ion: 98 Resp: 465609
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7





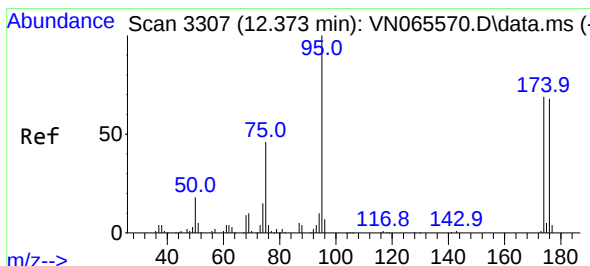
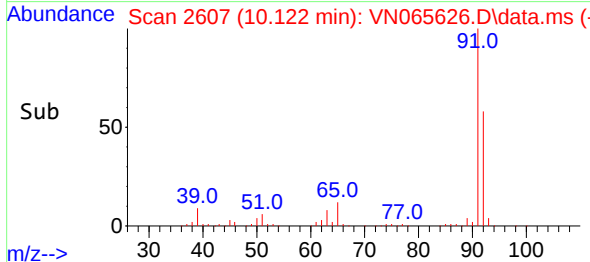
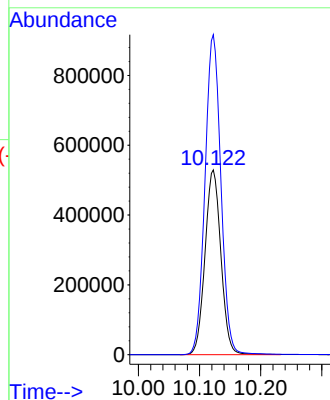
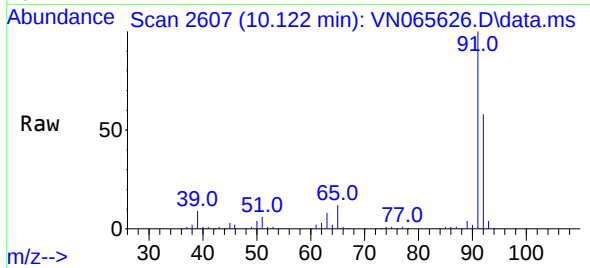
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Toluene
Concen: 141.29 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion: 92 Resp: 957048
Ion Ratio Lower Upper
92 100
91 173.5 140.7 211.1

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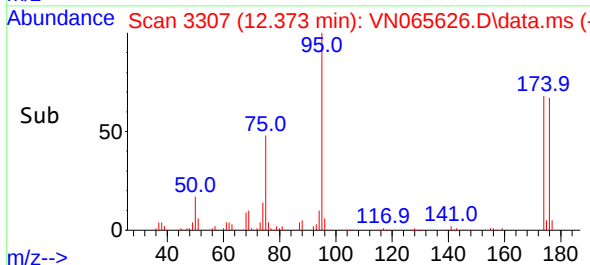
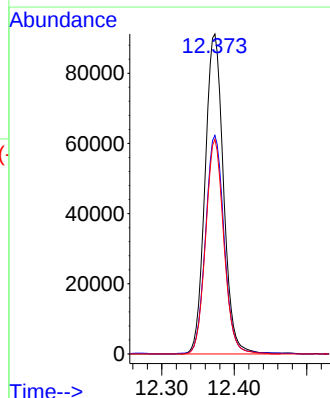
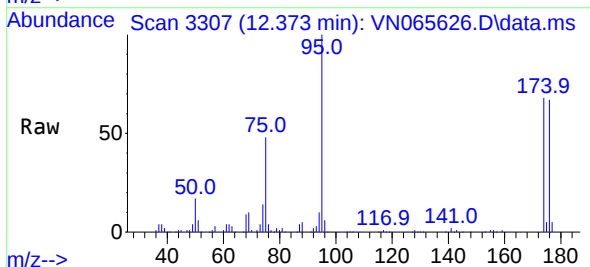
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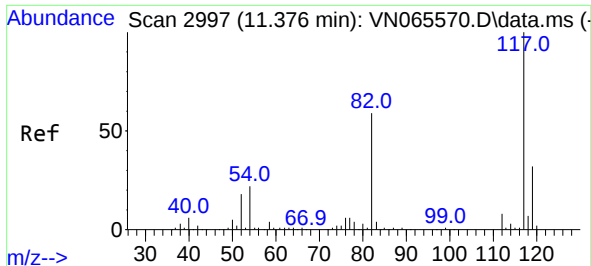
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1/28/2021 2:14:00 PM



#62
4-Bromofluorobenzene
Concen: 51.59 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

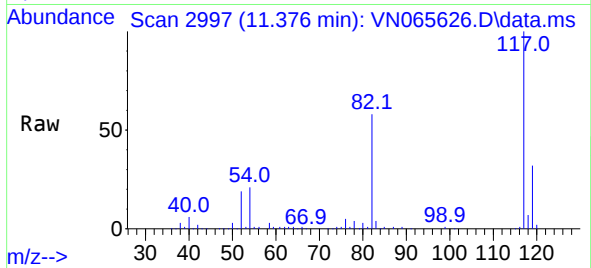
Tgt Ion: 95 Resp: 161030
Ion Ratio Lower Upper
95 100
174 69.2 0.0 169.0
176 66.1 0.0 162.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

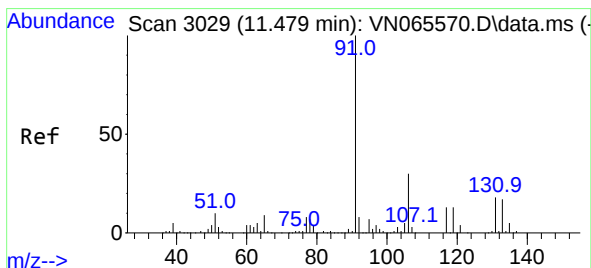
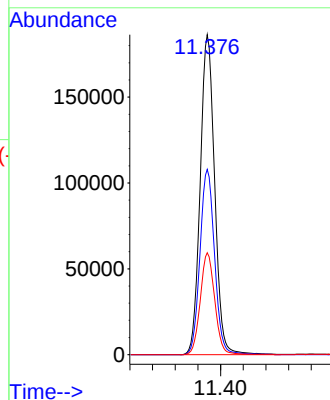
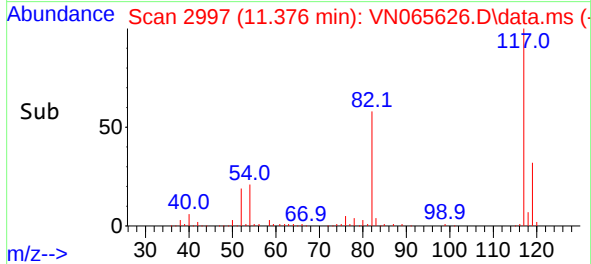
Instrument :
MSVOA_N
ClientSampled :
41053



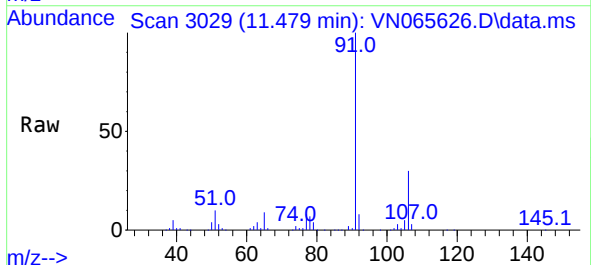
Tgt Ion:117 Resp: 330556
Ion Ratio Lower Upper
117 100
82 57.9 43.7 65.5
119 31.9 26.1 39.1

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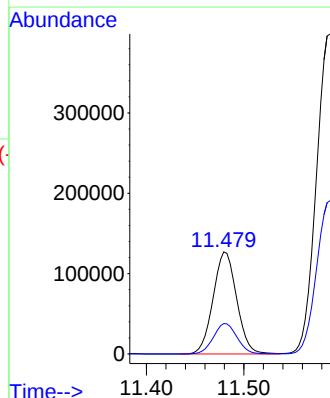
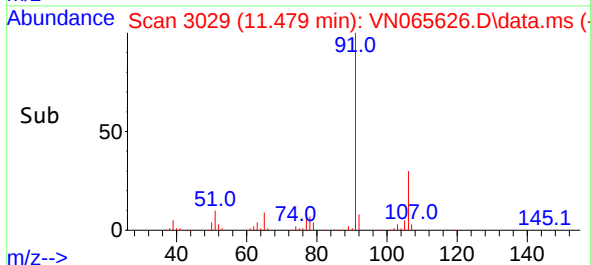
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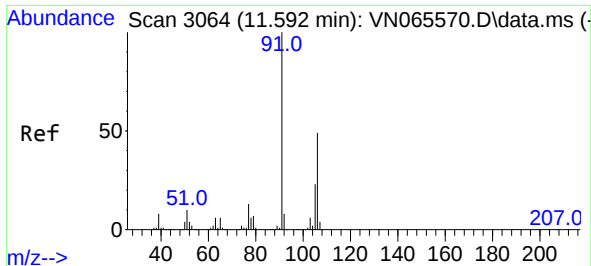


#67
Ethyl Benzene
Concen: 16.43 ug/l
RT: 11.479 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46



Tgt Ion: 91 Resp: 213489
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3





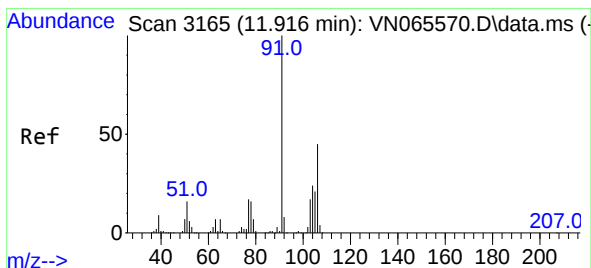
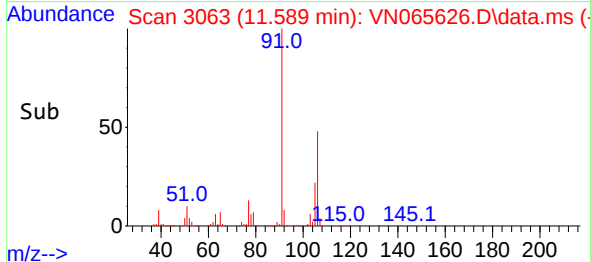
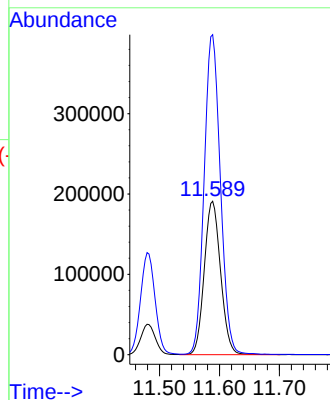
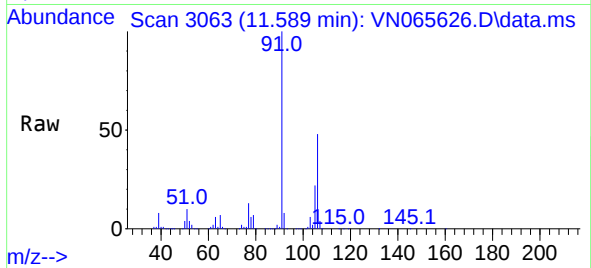
#68
m/p-Xylenes
Concen: 77.01 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion:106 Resp: 362188
Ion Ratio Lower Upper
106 100
91 207.3 161.4 242.0

Instrument :
MSVOA_N
ClientSampled :
41053

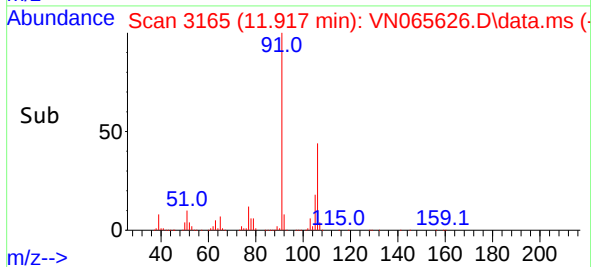
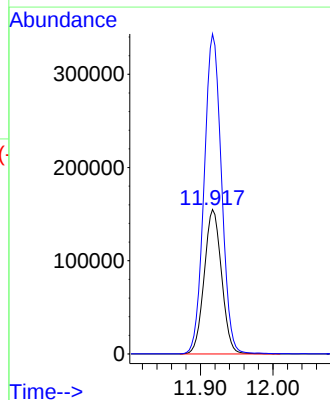
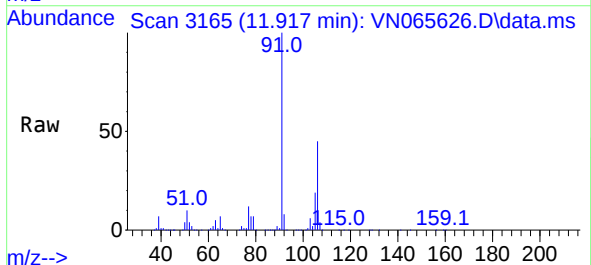
Manual Integrations
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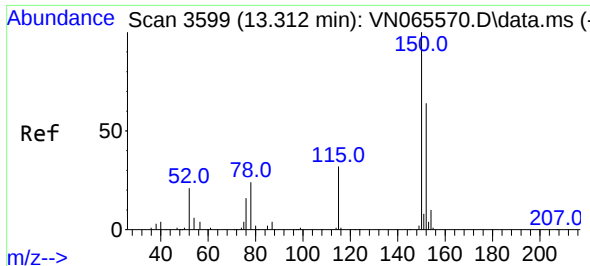
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#69
o-Xylene
Concen: 56.54 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. 0.001 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

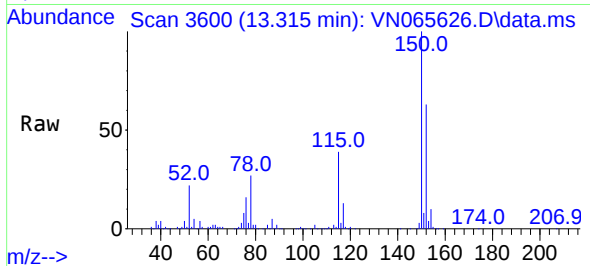
Tgt Ion:106 Resp: 257662
Ion Ratio Lower Upper
106 100
91 221.3 106.8 320.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

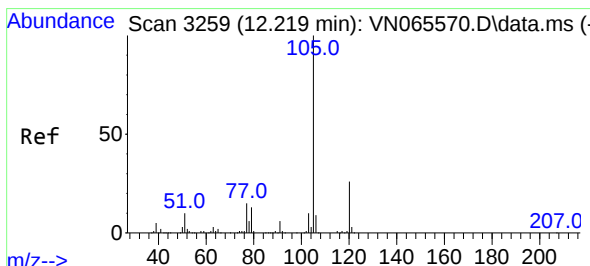
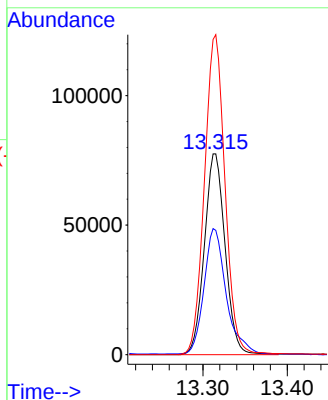
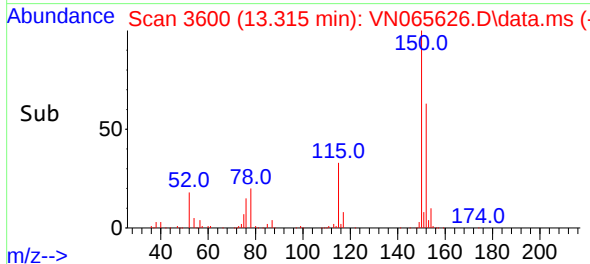
Instrument :
MSVOA_N
ClientSampleId :
41053



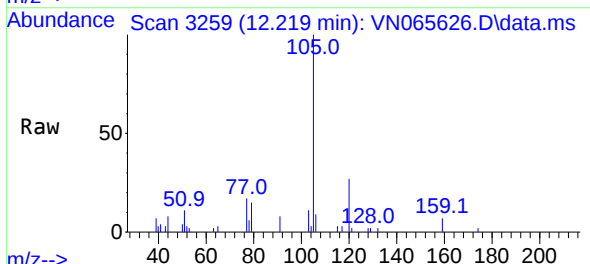
Tgt Ion:152 Resp: 132706
Ion Ratio Lower Upper
152 100
115 66.9 28.5 85.6
150 158.3 0.0 347.6

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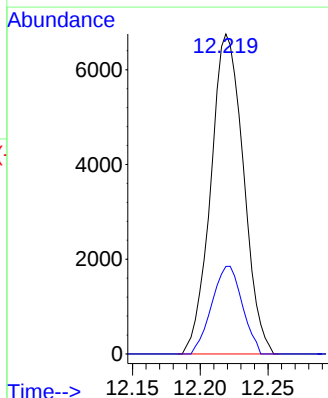
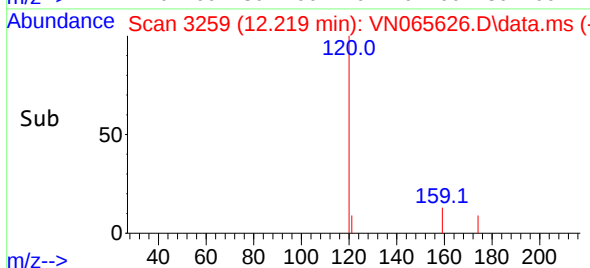
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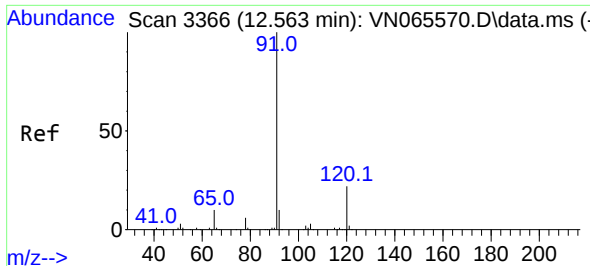


#73
Isopropylbenzene
Concen: 0.97 ug/l
RT: 12.219 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46



Tgt Ion:105 Resp: 11300
Ion Ratio Lower Upper
105 100
120 25.5 13.3 39.9





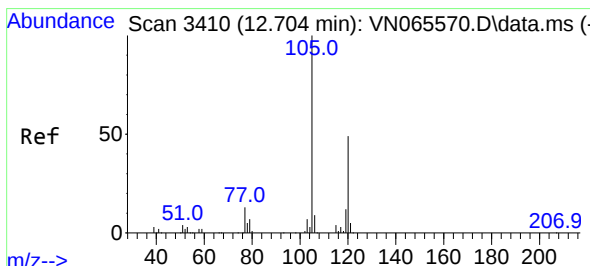
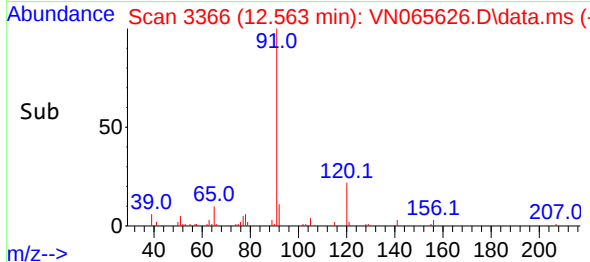
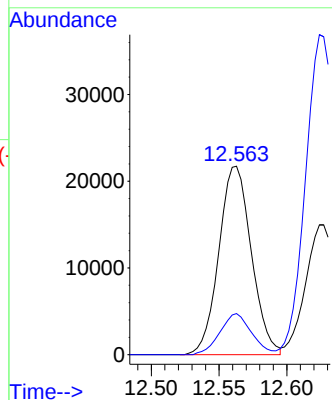
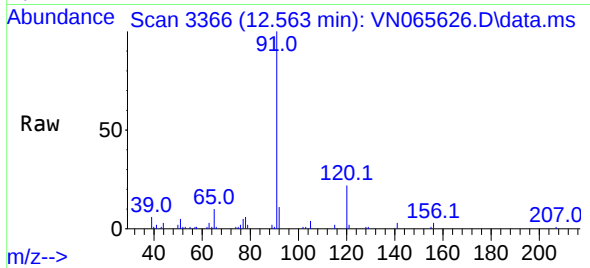
#78
n-propylbenzene
Concen: 2.65 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

Tgt Ion: 91 Resp: 36292
Ion Ratio Lower Upper
91 100
120 21.3 11.8 35.3

Instrument :
MSVOA_N
ClientSampled :
41053

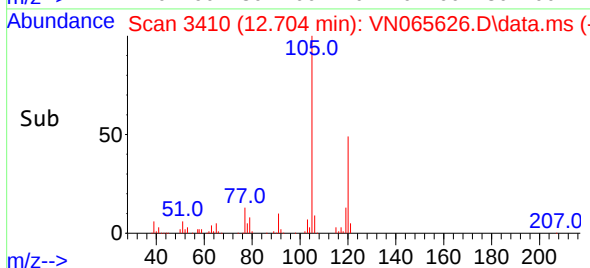
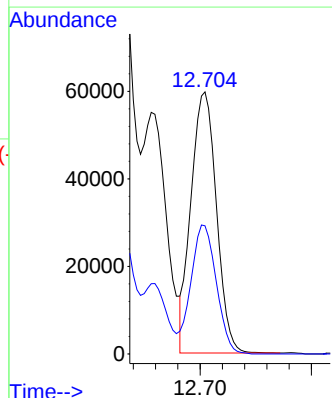
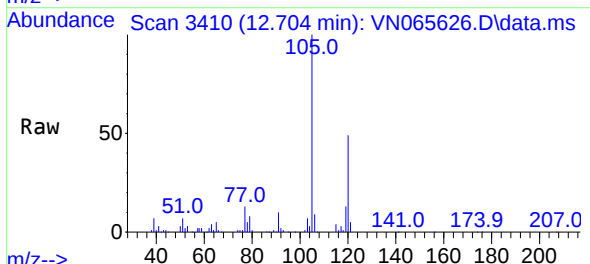
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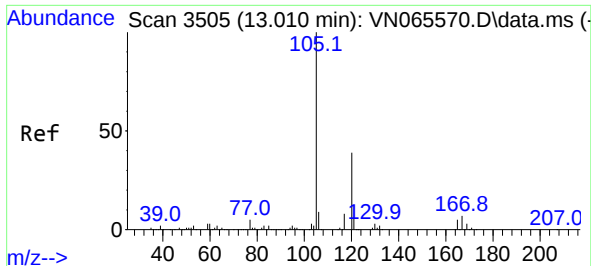
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#80
1,3,5-Trimethylbenzene
Concen: 9.56 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

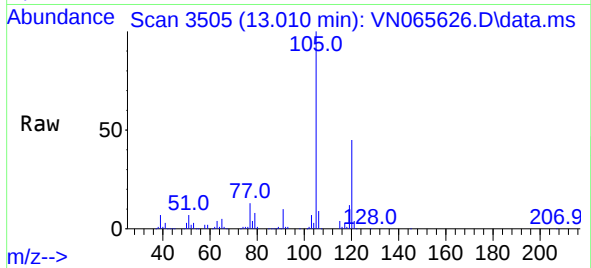
Tgt Ion: 105 Resp: 94582
Ion Ratio Lower Upper
105 100
120 49.7 24.3 72.8





#84
1,2,4-Trimethylbenzene
Concen: 33.17 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

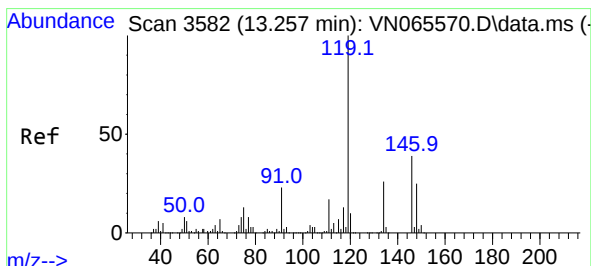
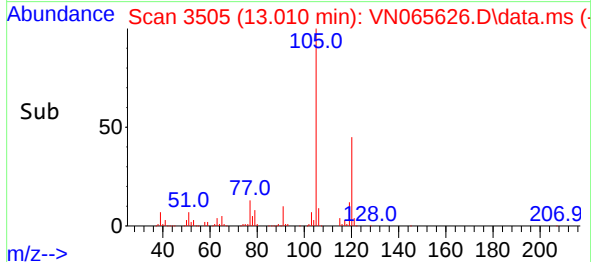
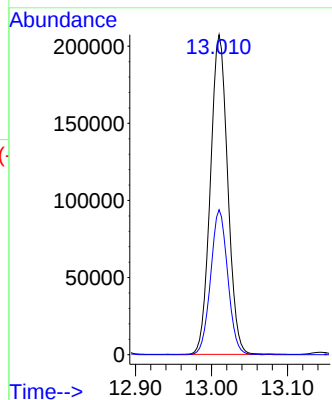
Instrument :
MSVOA_N
ClientSampled :
41053



Tgt Ion:105 Resp: 327338
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.0

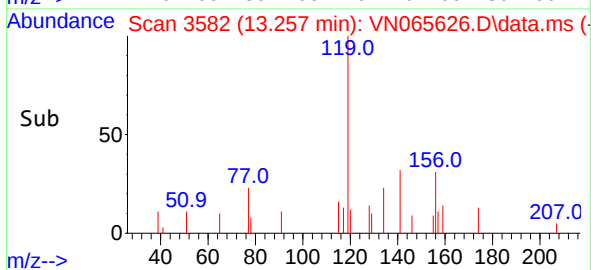
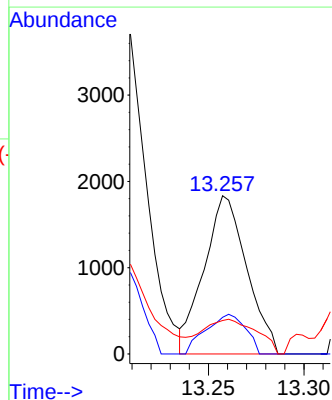
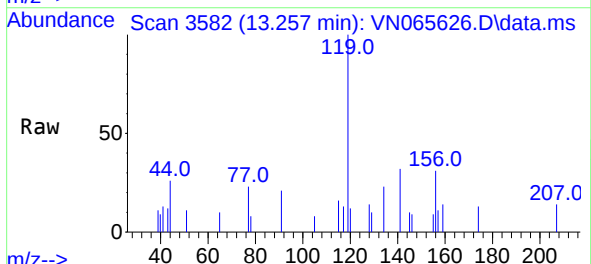
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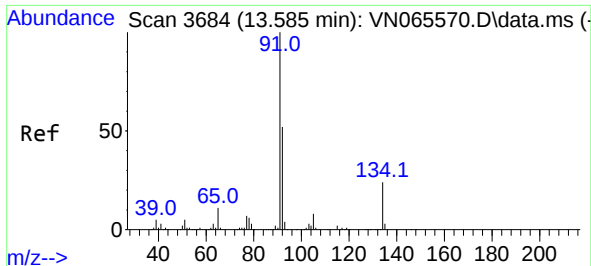
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#86
p-Isopropyltoluene
Concen: 0.29 ug/l m
RT: 13.257 min Scan# 3582
Delta R.T. 0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

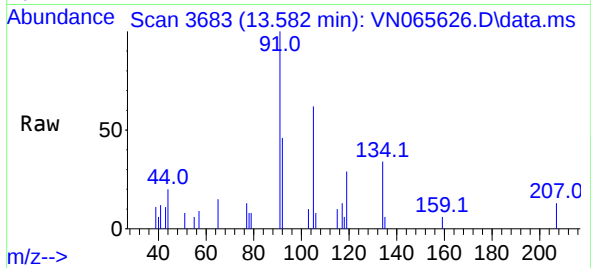
Tgt Ion:119 Resp: 2850
Ion Ratio Lower Upper
119 100
134 57.5 13.3 39.8#
91 76.9 11.8 35.3#





#89
n-Butylbenzene
Concen: 0.50 ug/l m
RT: 13.582 min Scan# 3683
Delta R.T. -0.003 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46

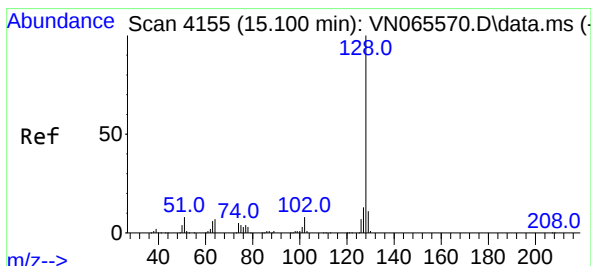
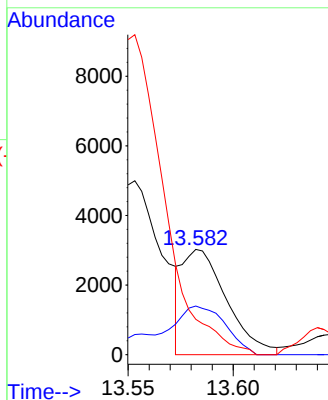
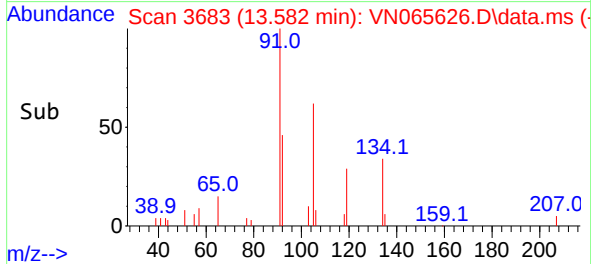
Instrument :
MSVOA_N
ClientSampled :
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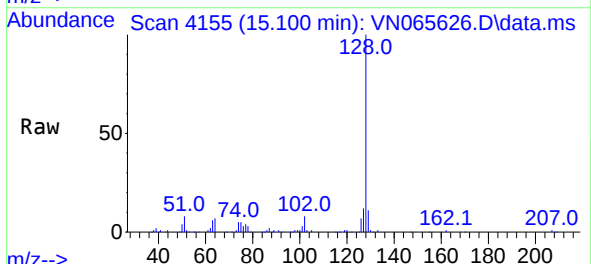
Tgt Ion: 91 Resp: 4442
Ion Ratio Lower Upper
91 100
92 15.4 26.1 78.3#
134 363.0 13.0 38.9#

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#95
Naphthalene
Concen: 20.35 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065626.D
Acq: 27 Jan 2021 13:46



Tgt Ion: 128 Resp: 156042
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.0 8.6 13.0

