

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012721\
 Data File : VN065627.D
 Acq On : 27 Jan 2021 14:10
 Operator : JC/MD
 Sample : M1190-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41111

Manual Integrations
 APPROVED

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 1/28/2021 2:14:02 PM

Quant Time: Jan 28 02:13:05 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	209601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	362007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	314388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	126463	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	132869	48.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.36%		
35) Dibromofluoromethane	7.550	113	105784	49.31	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.62%		
50) Toluene-d8	10.058	98	449953	53.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.72%		
62) 4-Bromofluorobenzene	12.373	95	155352	51.16	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.32%		
Target Compounds					Qvalue	
16) Acetone	3.782	43	74261	69.18	ug/l	98
19) Methyl tert-butyl Ether	4.994	73	14376	1.69	ug/l #	87
20) Methylene Chloride	4.499	84	1711	0.58	ug/l	95
22) Diisopropyl ether	5.910	45	6408	0.66	ug/l	91
25) 2-Butanone	6.804	43	14524	8.63	ug/l	93
39) Methylcyclohexane	9.039	83	1445	0.33	ug/l	89
40) Benzene	8.004	78	8479	0.76	ug/l	96
52) Toluene	10.122	92	48123	7.30	ug/l	99
67) Ethyl Benzene	11.482	91	82346	6.66	ug/l	96
68) m/p-Xylenes	11.589	106	326243	72.94	ug/l	95
69) o-Xylene	11.917	106	269469	62.17	ug/l	96
73) Isopropylbenzene	12.219	105	4967	0.45	ug/l	97
78) n-propylbenzene	12.560	91	6892	0.53	ug/l #	52
80) 1,3,5-Trimethylbenzene	12.704	105	121853	12.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.010	105	410249	43.63	ug/l	99
86) p-Isopropyltoluene	13.261	119	2709m	0.29	ug/l	
95) Naphthalene	15.100	128	189061	24.93	ug/l	100

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

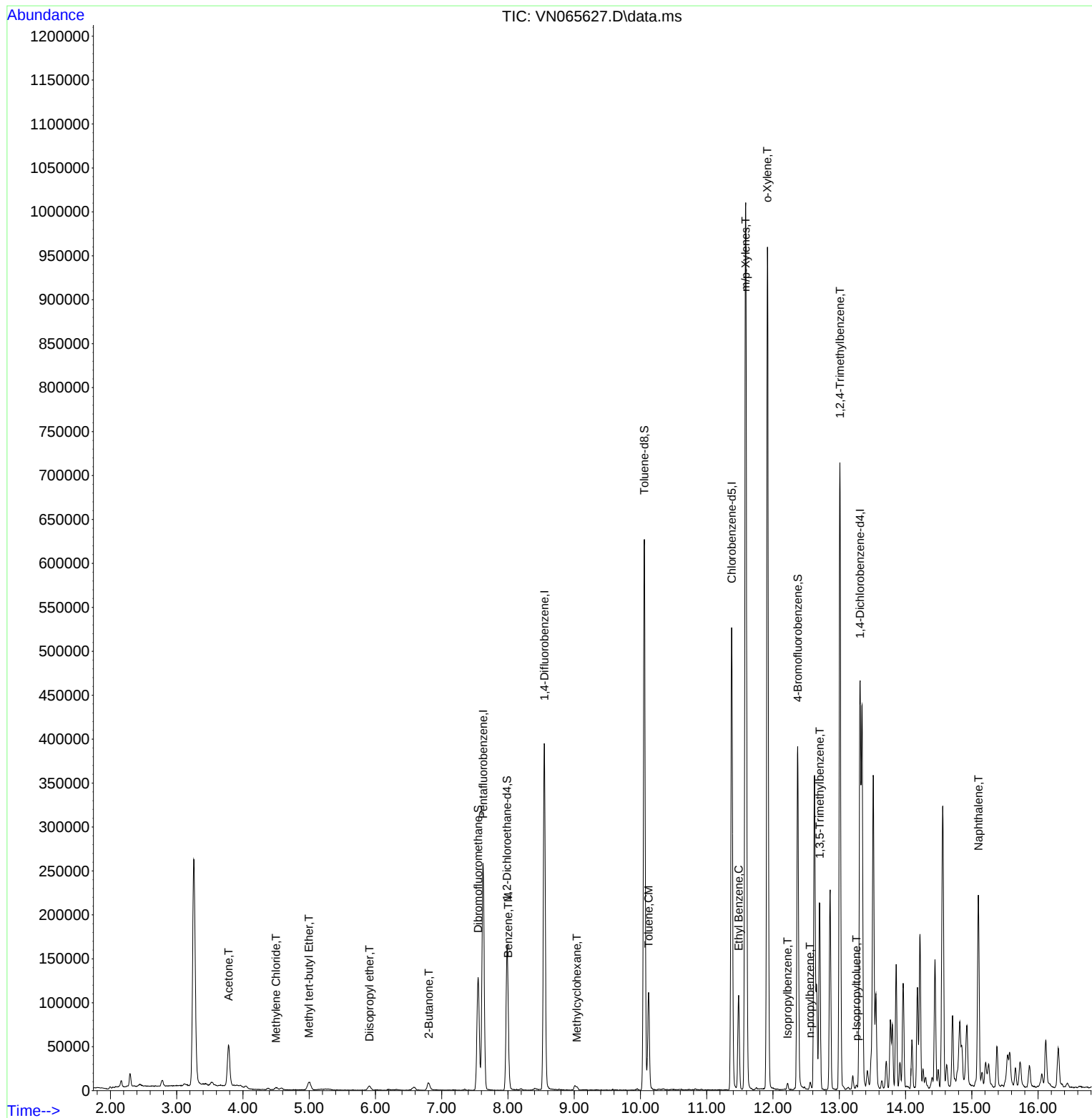
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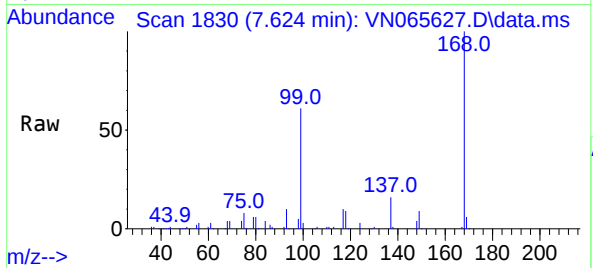
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Quant Time: Jan 28 02:13:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 2021
Response via : Initial Calibration

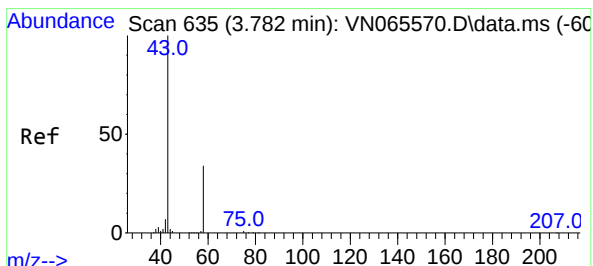
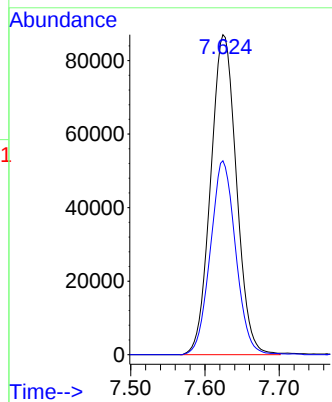
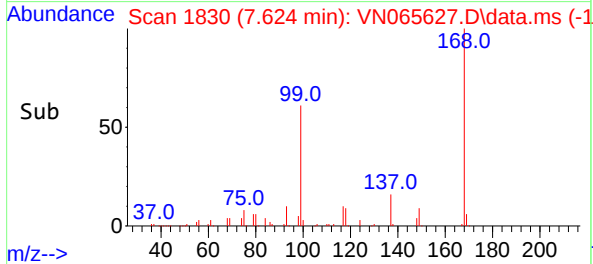




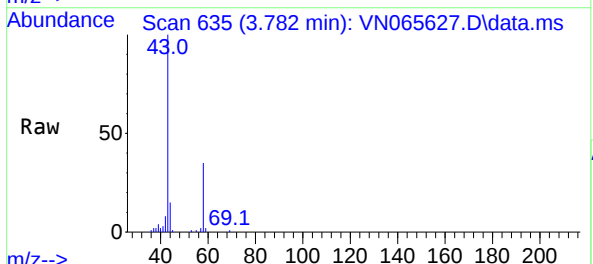
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



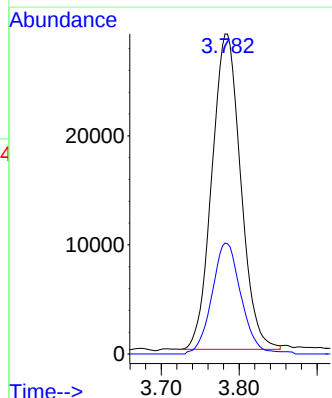
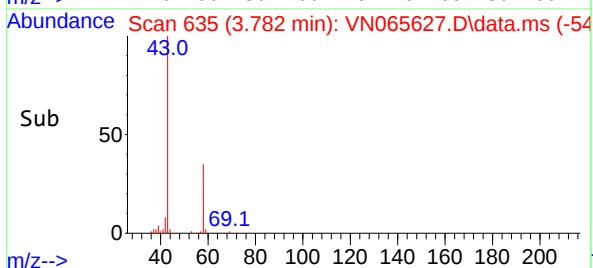
Tgt Ion:168 Resp: 209601
Ion Ratio Lower Upper
168 100
99 60.6 42.6 63.8



#16
Acetone
Concen: 69.18 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



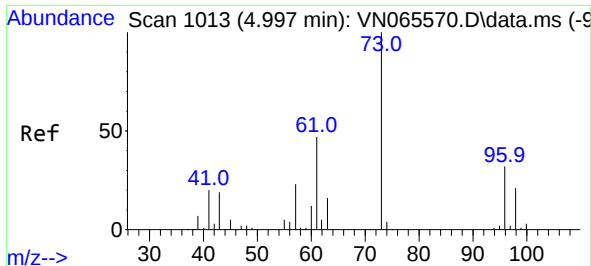
Tgt Ion: 43 Resp: 74261
Ion Ratio Lower Upper
43 100
58 35.2 27.0 40.6



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#19

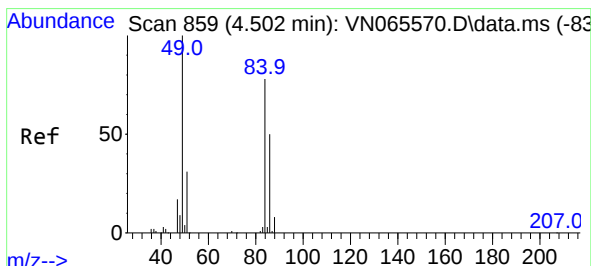
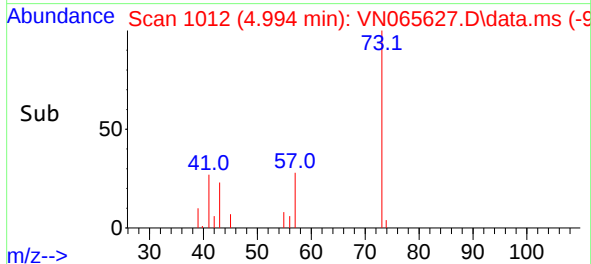
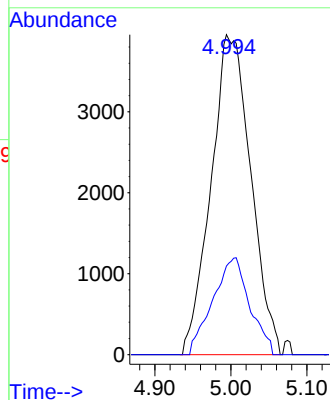
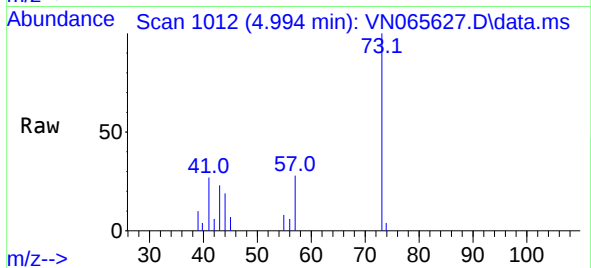
Methyl tert-butyl Ether
Concen: 1.69 ug/l
RT: 4.994 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 73 Resp: 14376
Ion Ratio Lower Upper
73 100
57 27.7 17.3 25.9#

Instrument :
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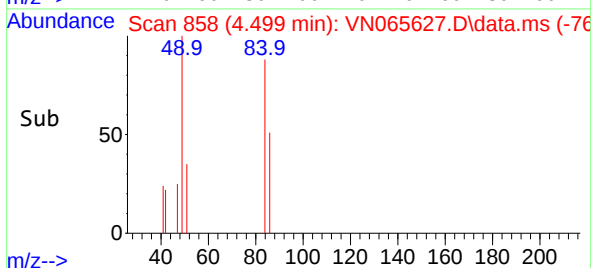
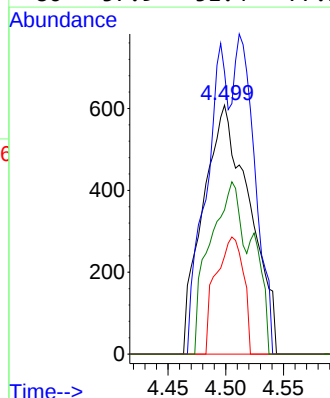
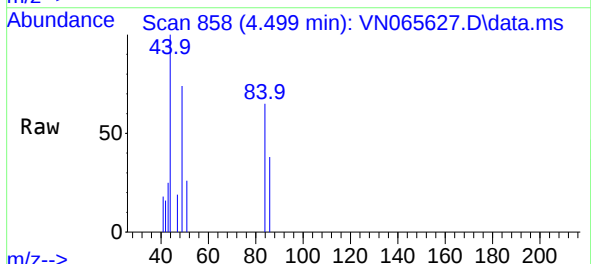
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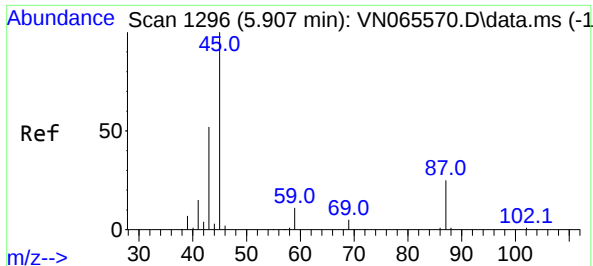


#20

Methylene Chloride
Concen: 0.58 ug/l
RT: 4.499 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 84 Resp: 1711
Ion Ratio Lower Upper
84 100
49 113.3 94.6 141.8
51 39.3 29.9 44.9
86 57.9 51.4 77.2





#22

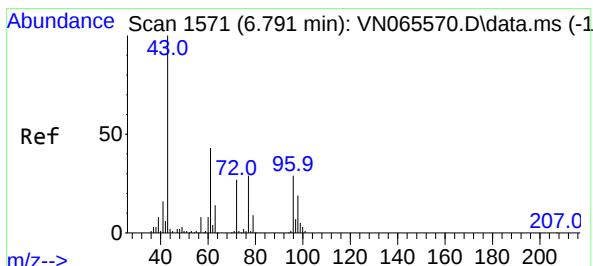
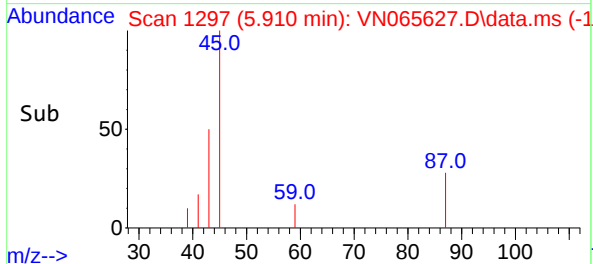
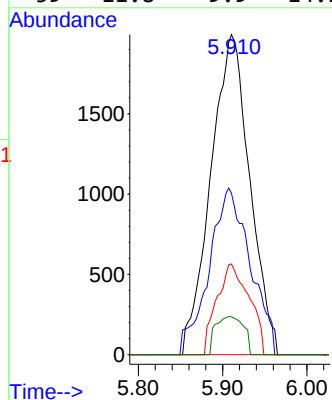
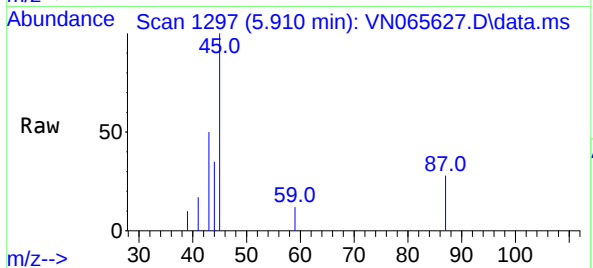
Diisopropyl ether
Concen: 0.66 ug/l
RT: 5.910 min Scan# 1297
Delta R.T. 0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion:	45	Resp:	6408
Ion	Ratio	Lower	Upper
45	100		
43	50.5	48.9	73.3
87	28.3	23.7	35.5
59	11.8	9.9	14.9

Instrument :
MSVOA_N
ClientSampled :
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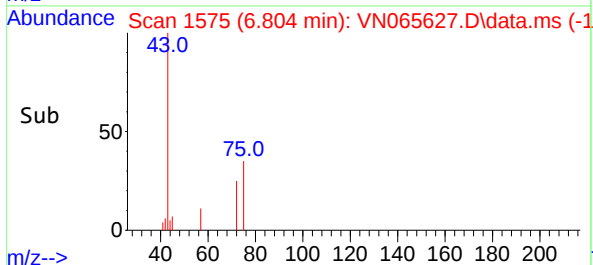
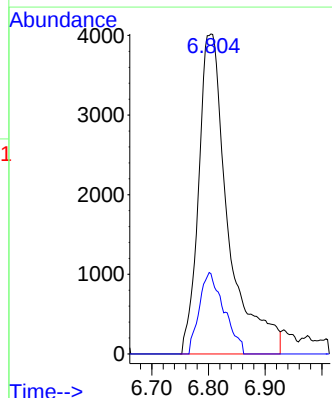
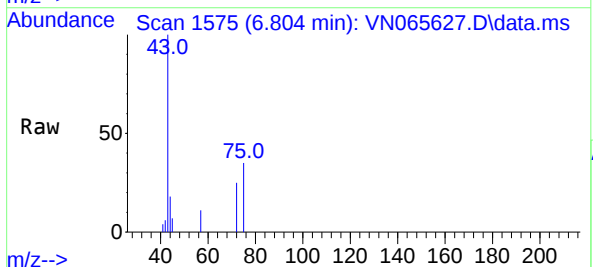
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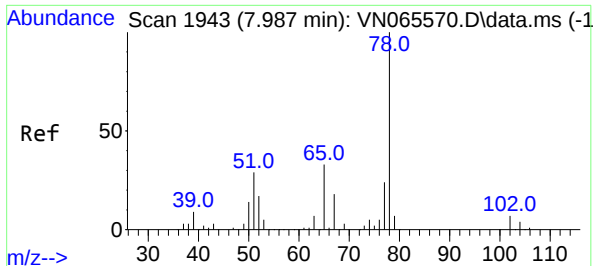


#25

2-Butanone
Concen: 8.63 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.013 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion:	43	Resp:	14524
Ion	Ratio	Lower	Upper
43	100		
72	25.1	23.1	34.7





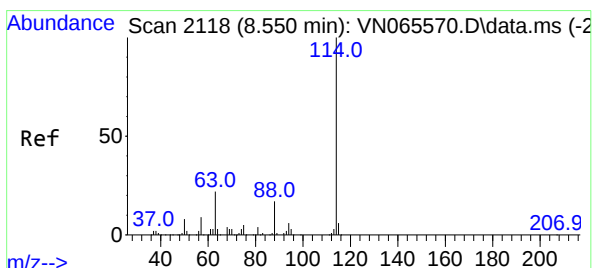
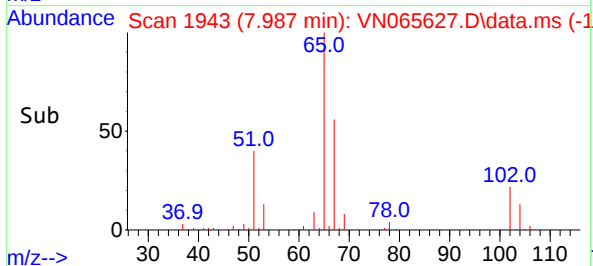
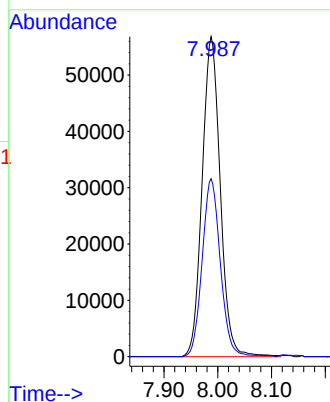
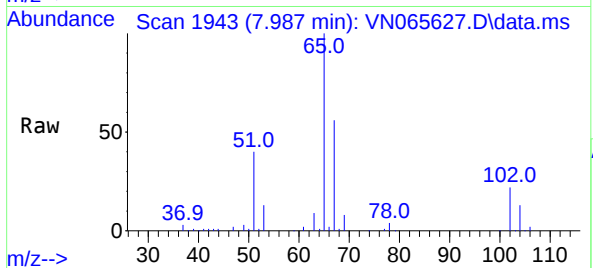
#33
1,2-Dichloroethane-d4
Concen: 48.18 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 65 Resp: 132869
Ion Ratio Lower Upper
65 100
67 55.6 0.0 107.2

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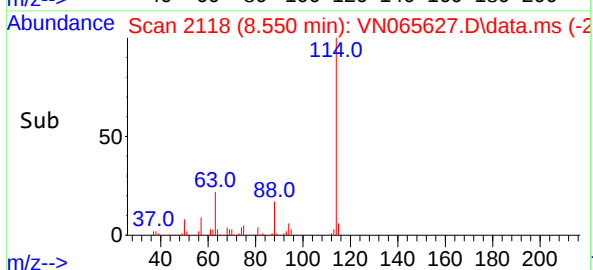
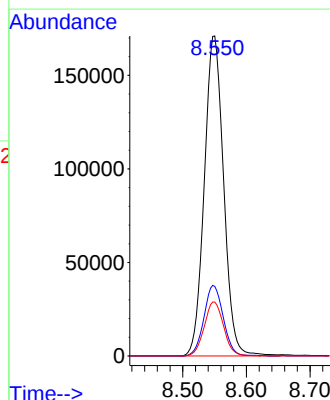
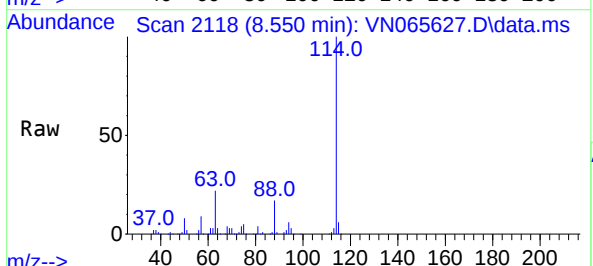
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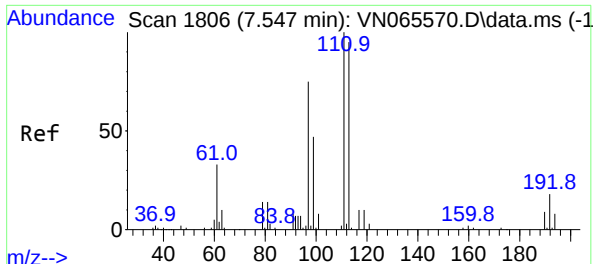
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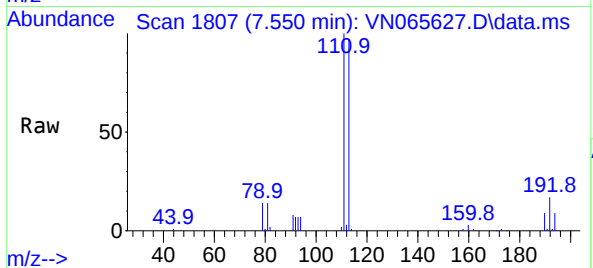
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 114 Resp: 362007
Ion Ratio Lower Upper
114 100
63 21.7 0.0 38.6
88 16.8 0.0 30.6

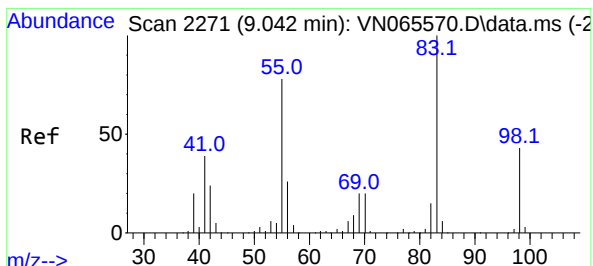
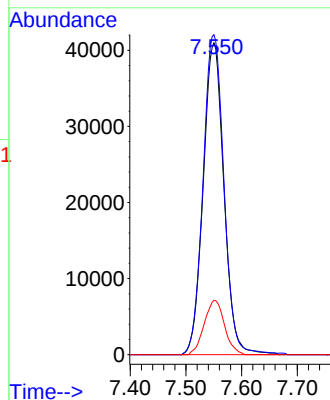
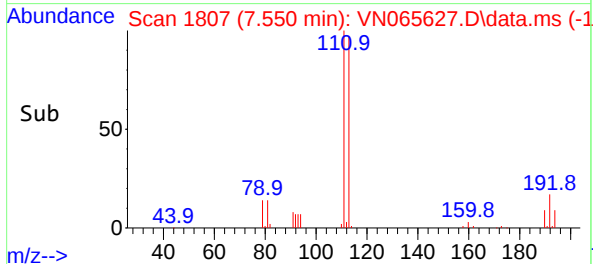




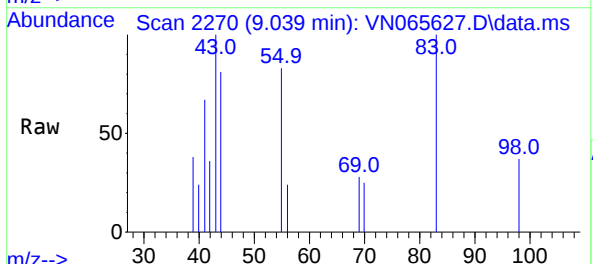
#35
Dibromofluoromethane
Concen: 49.31 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



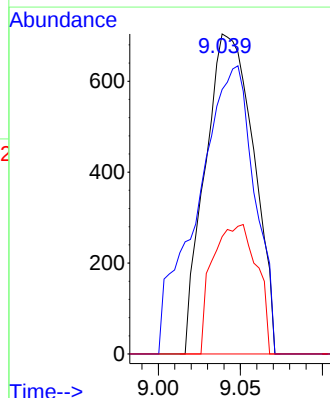
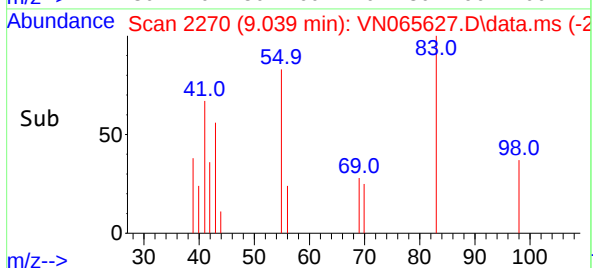
Tgt Ion: 113 Resp: 105784
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 17.1 15.4 23.0



#39
Methylcyclohexane
Concen: 0.33 ug/l
RT: 9.039 min Scan# 2270
Delta R.T. -0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



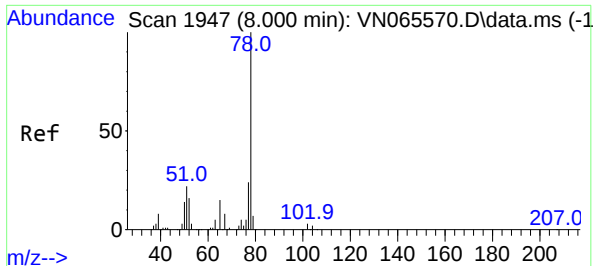
Tgt Ion: 83 Resp: 1445
Ion Ratio Lower Upper
83 100
55 82.7 58.9 88.3
98 36.6 35.9 53.9



Instrument :
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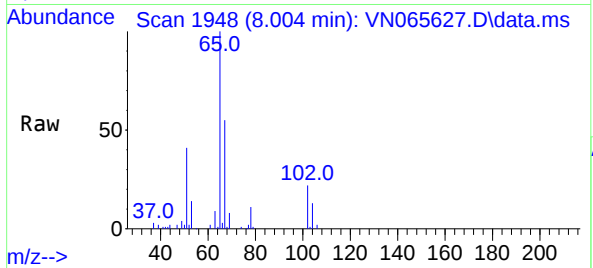
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#40
Benzene
Concen: 0.76 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. 0.004 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

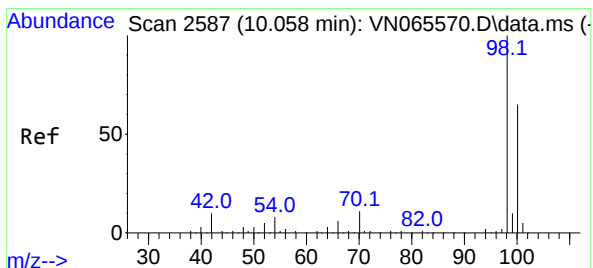
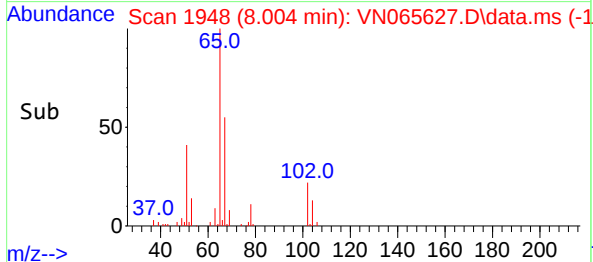
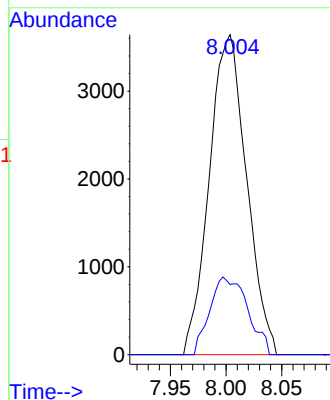
Instrument :
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Tgt Ion: 78 Resp: 8479
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.4

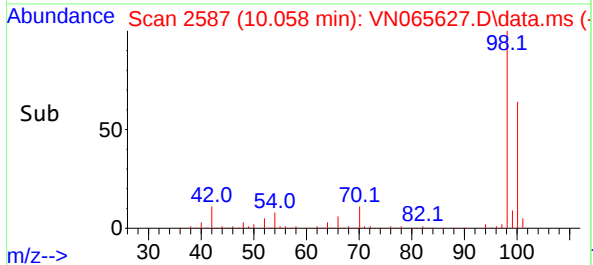
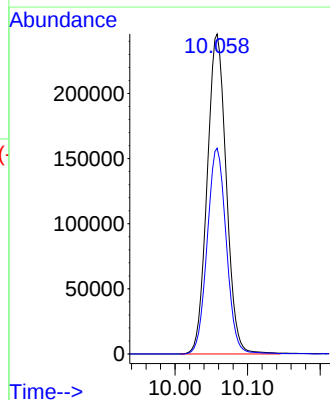
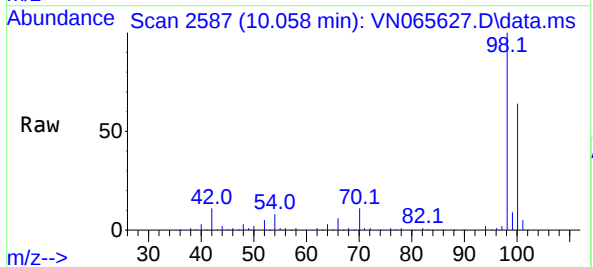
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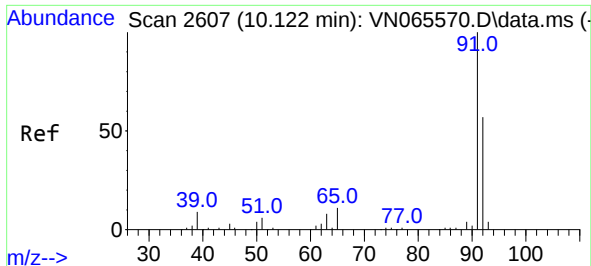
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#50
Toluene-d8
Concen: 53.36 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 98 Resp: 449953
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7





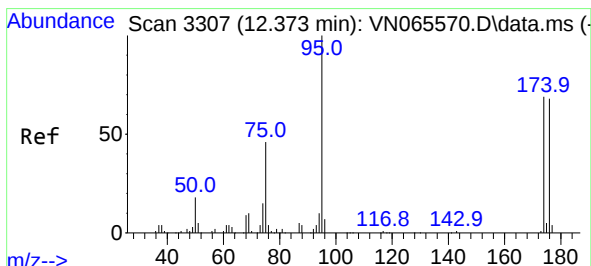
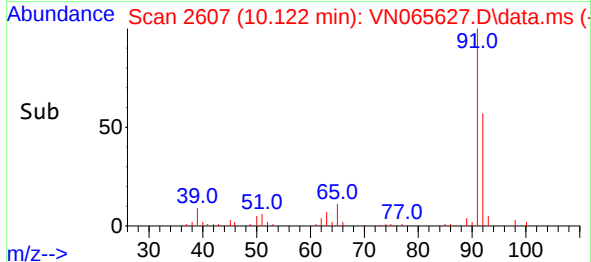
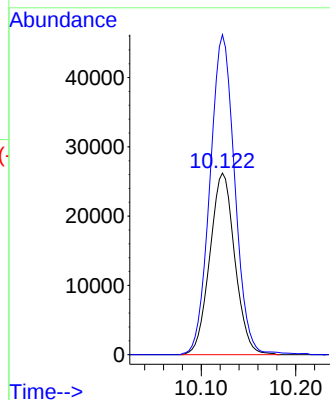
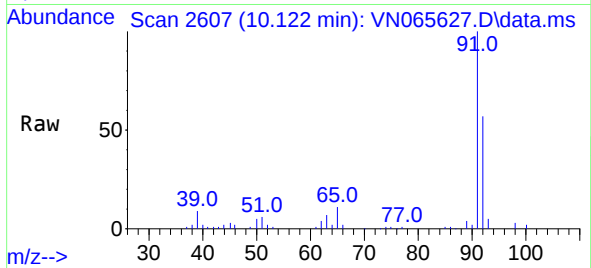
#52
Toluene
Concen: 7.30 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 92 Resp: 48123
Ion Ratio Lower Upper
92 100
91 175.1 140.7 211.1

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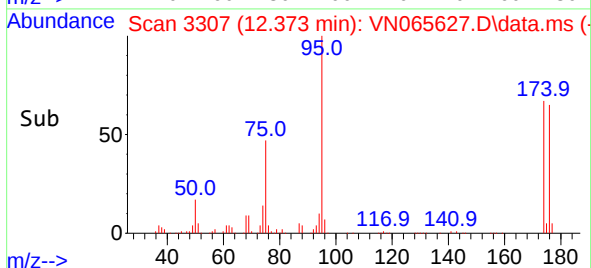
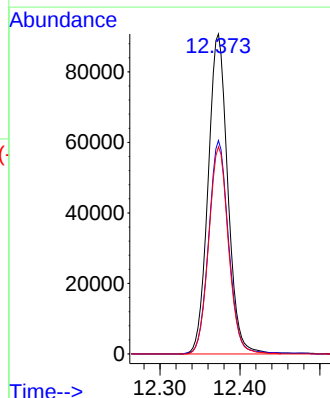
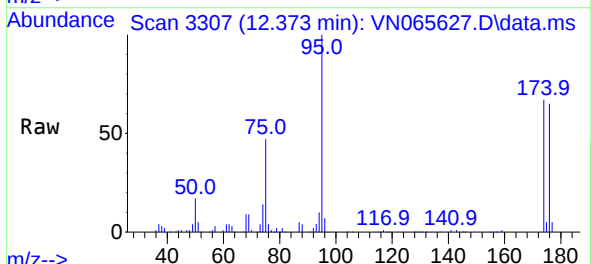
Manual Integrations
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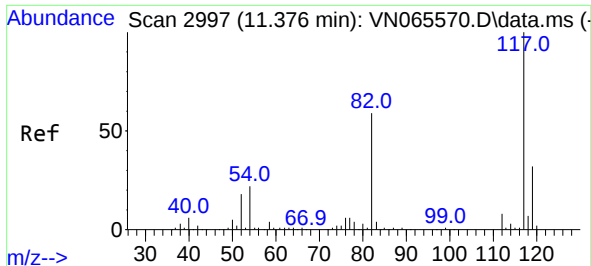
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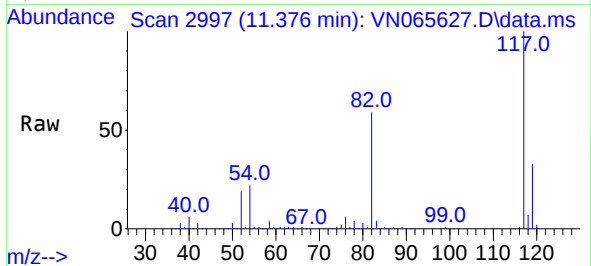
#62
4-Bromofluorobenzene
Concen: 51.16 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 95 Resp: 155352
Ion Ratio Lower Upper
95 100
174 67.5 0.0 169.0
176 65.0 0.0 162.4

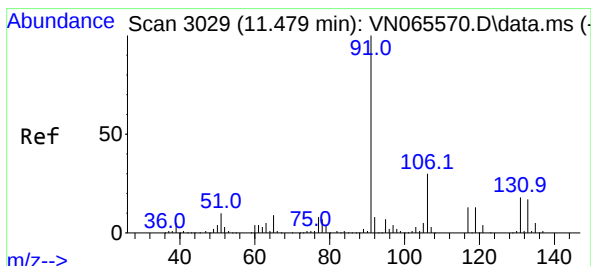
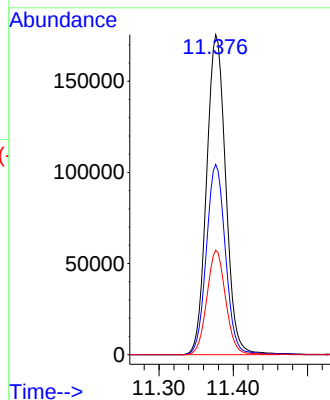
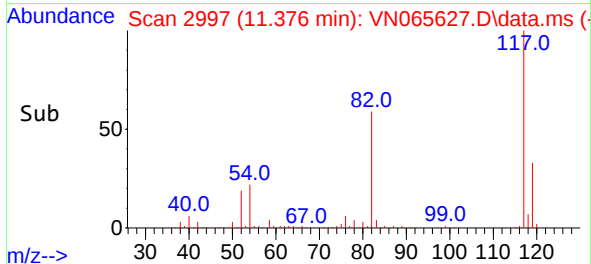




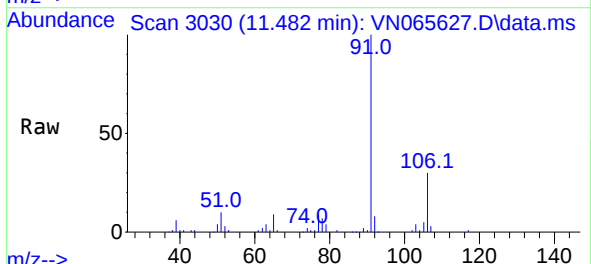
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



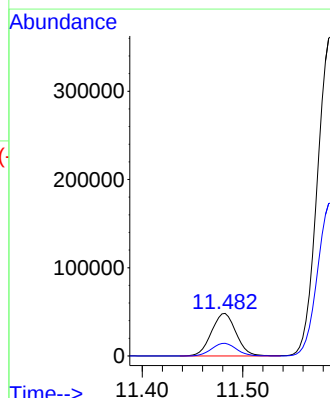
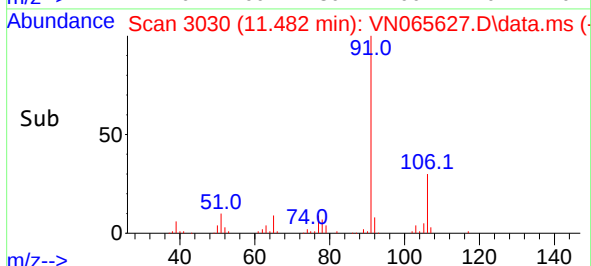
Tgt Ion: 117 Resp: 314388
Ion Ratio Lower Upper
117 100
82 59.4 43.7 65.5
119 32.7 26.1 39.1



#67
Ethyl Benzene
Concen: 6.66 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



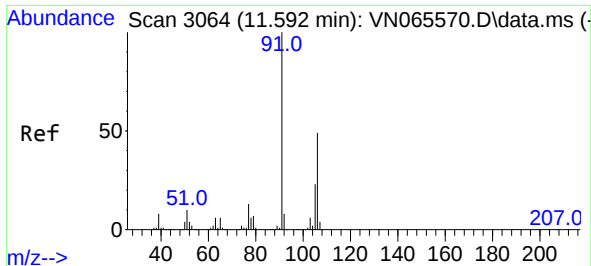
Tgt Ion: 91 Resp: 82346
Ion Ratio Lower Upper
91 100
106 29.6 25.5 38.3



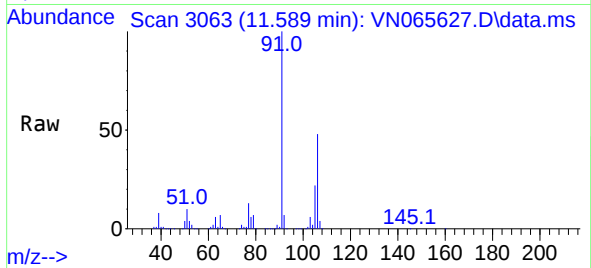
Instrument :
MSVOA_N
ClientSampled :
41111

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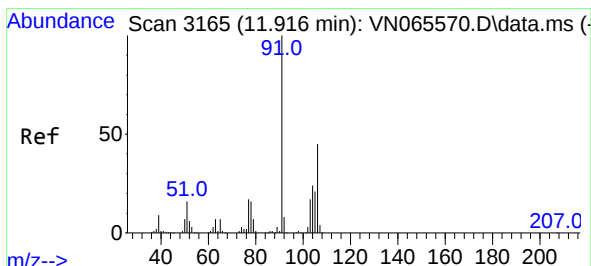
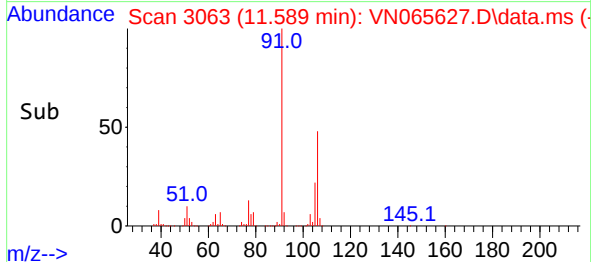
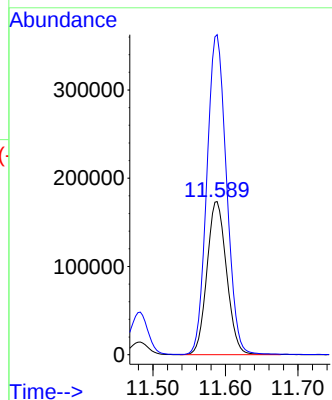
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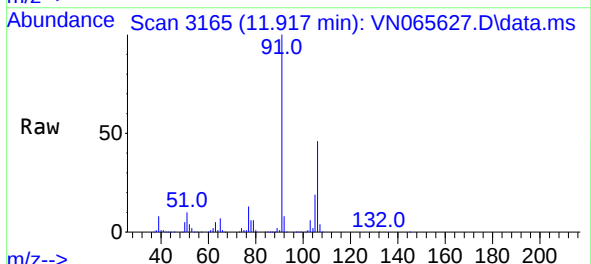
#68
m/p-Xylenes
Concen: 72.94 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



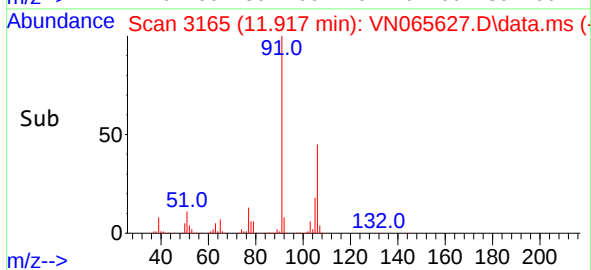
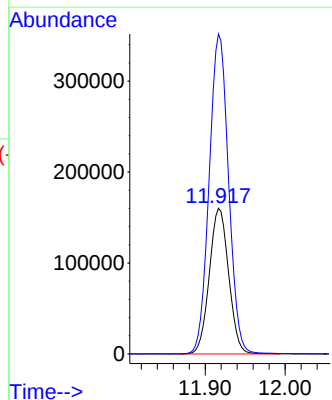
Tgt Ion:106 Resp: 326243
Ion Ratio Lower Upper
106 100
91 209.5 161.4 242.0



#69
o-Xylene
Concen: 62.17 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. 0.001 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



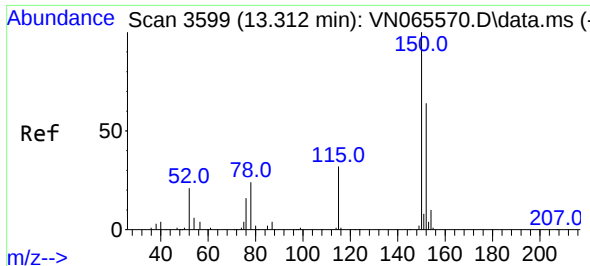
Tgt Ion:106 Resp: 269469
Ion Ratio Lower Upper
106 100
91 219.9 106.8 320.4



Instrument :
MSVOA_N
ClientSampled :
41111

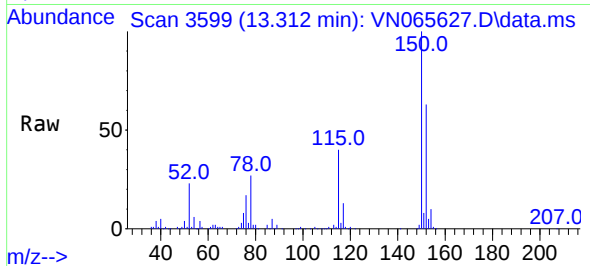
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

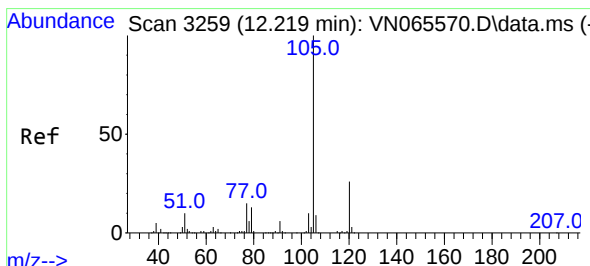
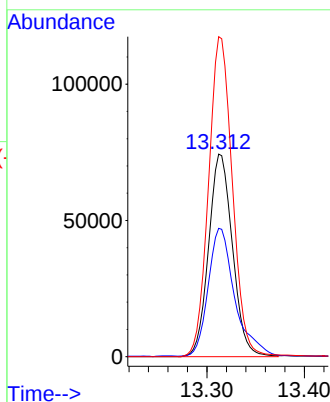
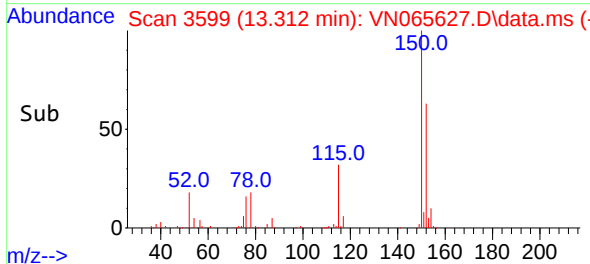
Instrument :
MSVOA_N
ClientSampleId :
41111



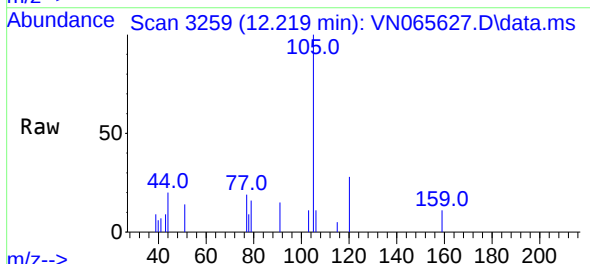
Tgt Ion:152 Resp: 126463
Ion Ratio Lower Upper
152 100
115 70.2 28.5 85.6
150 158.2 0.0 347.6

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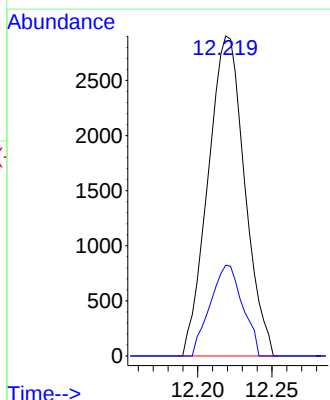
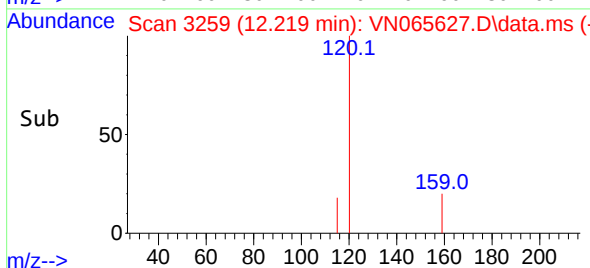
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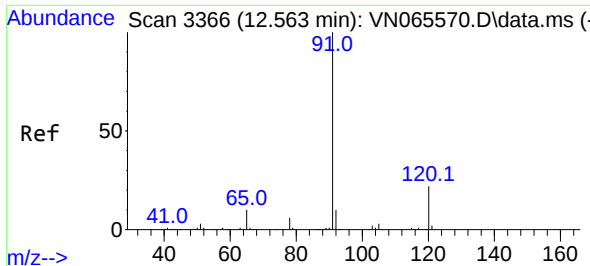


#73
Isopropylbenzene
Concen: 0.45 ug/l
RT: 12.219 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



Tgt Ion:105 Resp: 4967
Ion Ratio Lower Upper
105 100
120 25.1 13.3 39.9





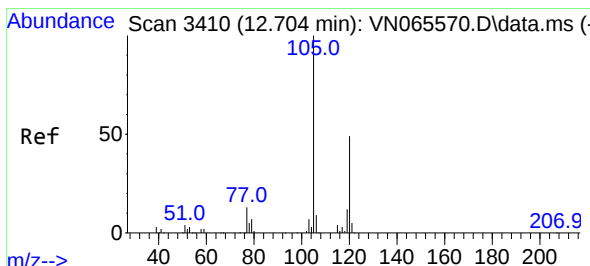
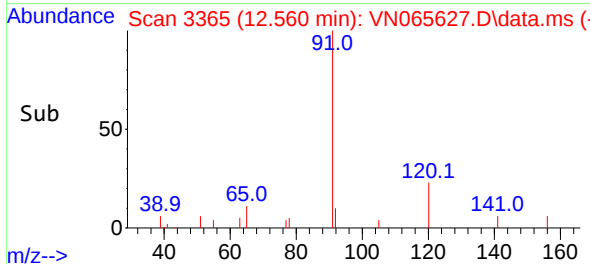
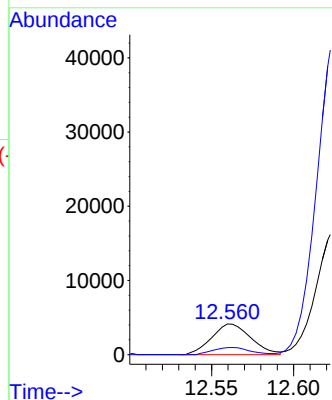
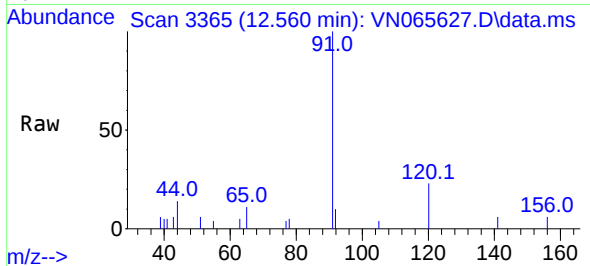
#78
n-propylbenzene
Concen: 0.53 ug/l
RT: 12.560 min Scan# 3365
Delta R.T. -0.003 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Tgt Ion: 91 Resp: 6892
Ion Ratio Lower Upper
91 100
120 0.0 11.8 35.3#

Instrument :
MSVOA_N
ClientSampled :
41111

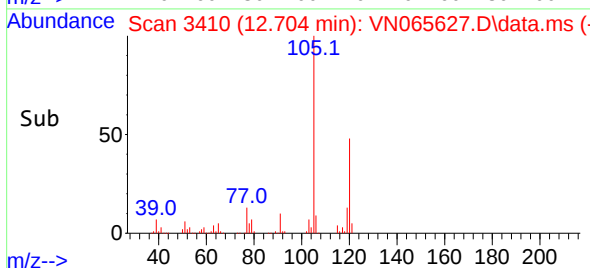
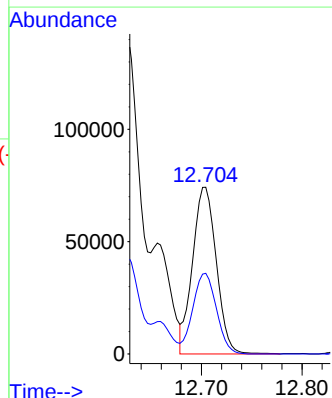
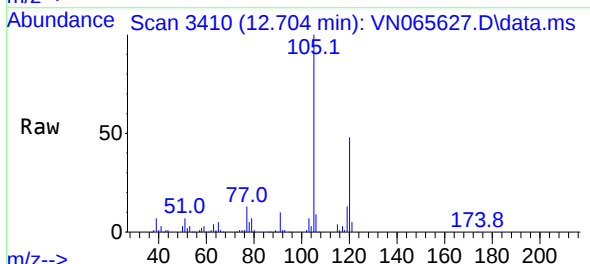
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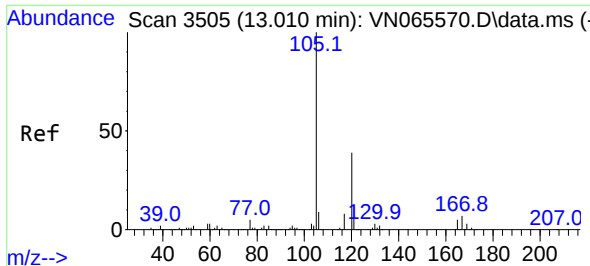
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#80
1,3,5-Trimethylbenzene
Concen: 12.93 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

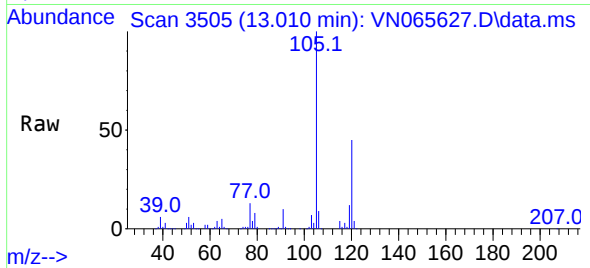
Tgt Ion:105 Resp: 121853
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.8





#84
1,2,4-Trimethylbenzene
Concen: 43.63 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

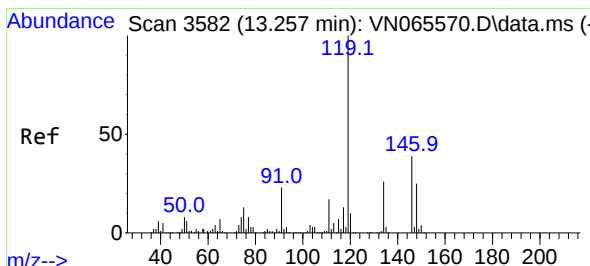
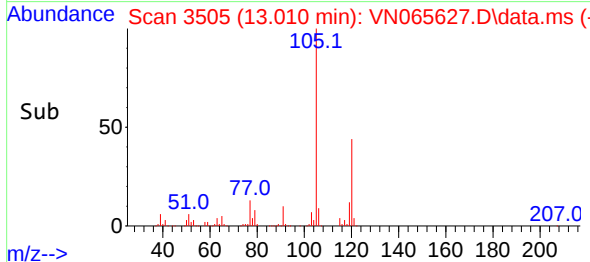
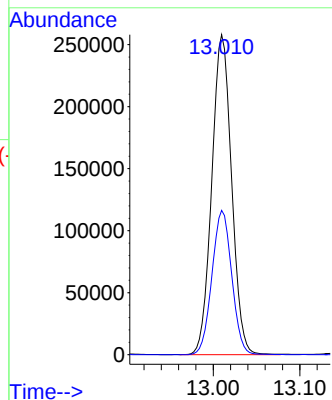
Instrument :
MSVOA_N
ClientSampled :
41111



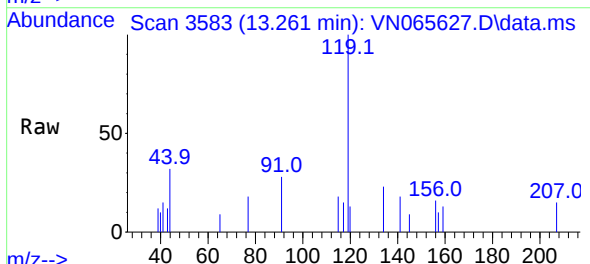
Tgt Ion:105 Resp: 410249
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.0

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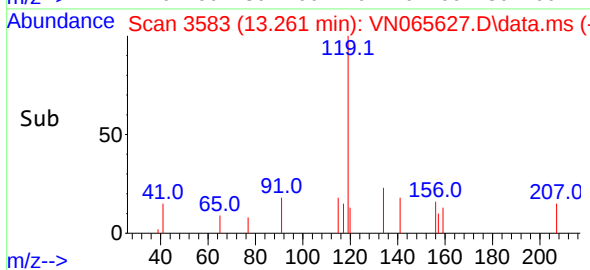
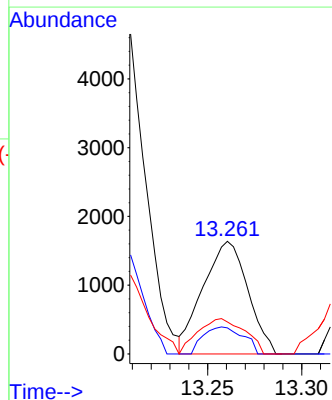
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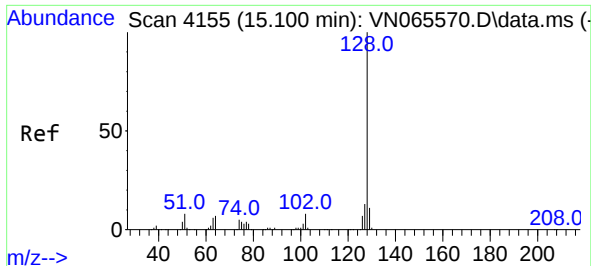


#86
p-Isopropyltoluene
Concen: 0.29 ug/l m
RT: 13.261 min Scan# 3583
Delta R.T. 0.004 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10



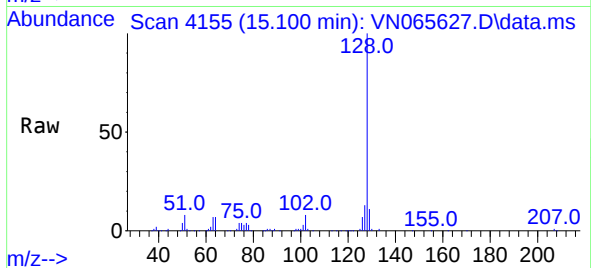
Tgt Ion:119 Resp: 2709
Ion Ratio Lower Upper
119 100
134 87.2 13.3 39.8#
91 87.6 11.8 35.3#





#95
Naphthalene
Concen: 24.93 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065627.D
Acq: 27 Jan 2021 14:10

Instrument :
MSVOA_N
ClientSampled :
41111



Tgt Ion:128 Resp: 189061
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 13.0

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