

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030422\
 Data File : VN071167.D
 Acq On : 04 Mar 2022 13:40
 Operator : JC\MD
 Sample : N1776-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 INF-03-22

Quant Time: Mar 04 22:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	894511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1413163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1299450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	549969	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	530178	51.886	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.780%
35) Dibromofluoromethane	8.016	113	412552	49.081	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.160%
50) Toluene-d8	10.433	98	1740879	51.573	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.140%
62) 4-Bromofluorobenzene	12.727	95	665876	55.187	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.380%

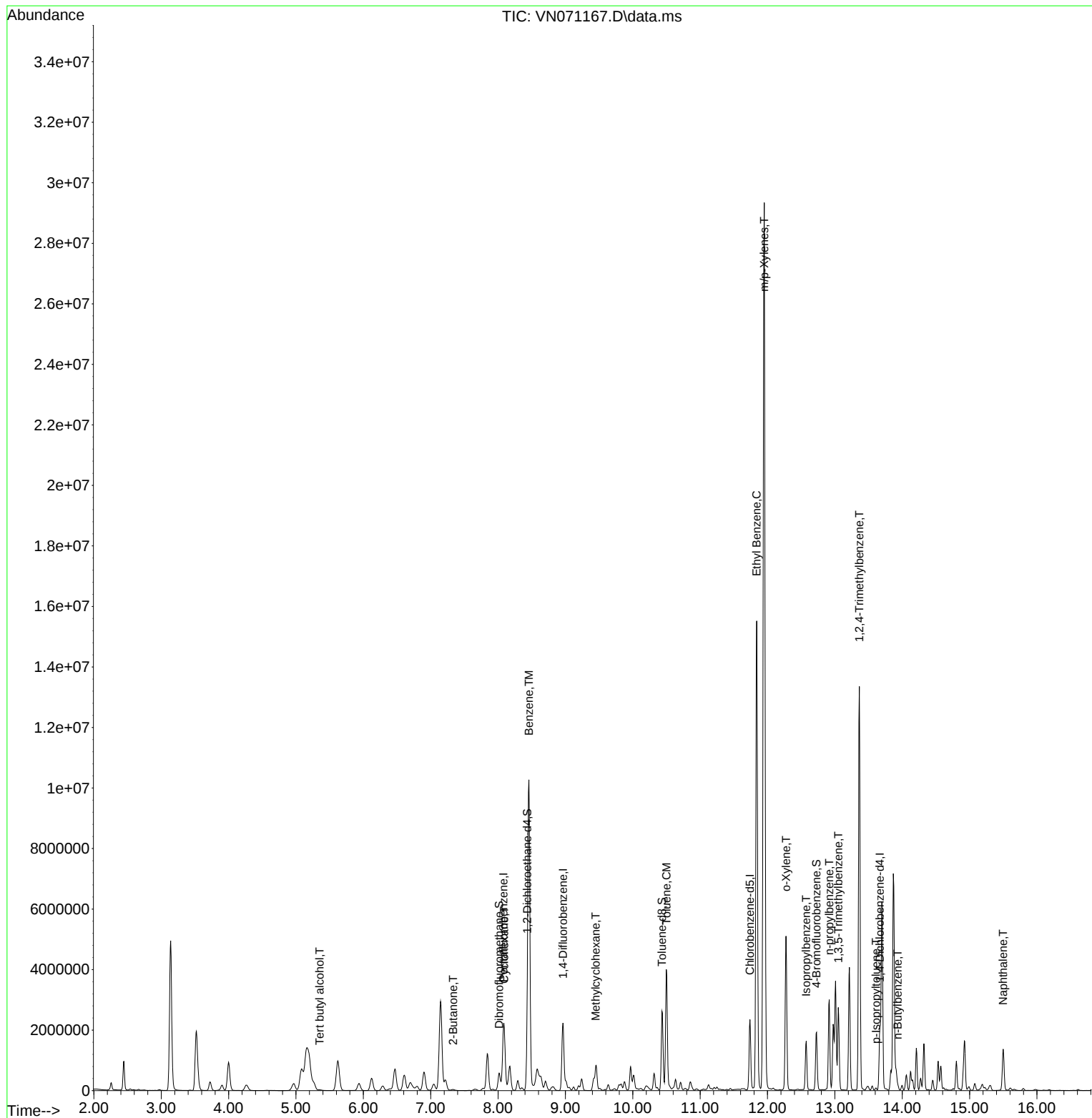
Target Compounds						Qvalue
11) Tert butyl alcohol	5.351	59	34758	18.665	ug/l	# 71
25) 2-Butanone	7.334	43	34202	4.569	ug/l	# 87
31) Cyclohexane	8.092	56	736098	41.653	ug/l	92
39) Methylcyclohexane	9.451	83	348557	19.670	ug/l	91
40) Benzene	8.457	78	10476475	257.188	ug/l	98
52) Toluene	10.498	92	1744469	68.153	ug/l	96
67) Ethyl Benzene	11.839	91	11338789	231.364	ug/l	100
68) m/p-Xylenes	11.951	106	9797091	517.532	ug/l	92
69) o-Xylene	12.274	106	1399584	75.685	ug/l	97
73) Isopropylbenzene	12.574	105	1087335	24.563	ug/l	99
78) n-propylbenzene	12.916	91	2410982	48.475	ug/l	97
80) 1,3,5-Trimethylbenzene	13.051	105	1473046	41.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	7563256	214.235	ug/l	99
86) p-Isopropyltoluene	13.610	119	34296	0.932	ug/l	# 76
89) n-Butylbenzene	13.933	91	70227	2.340	ug/l	# 72
95) Naphthalene	15.498	128	1238399	50.330	ug/l	99

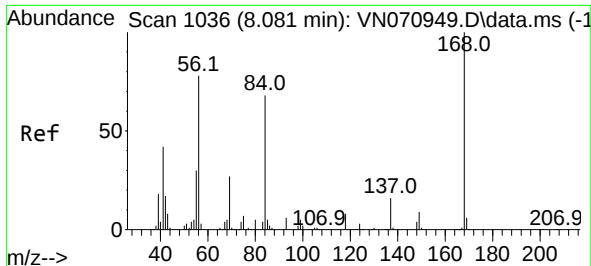
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

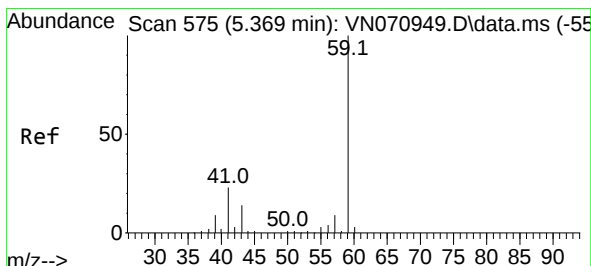
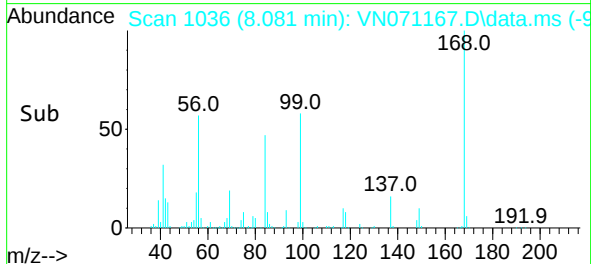
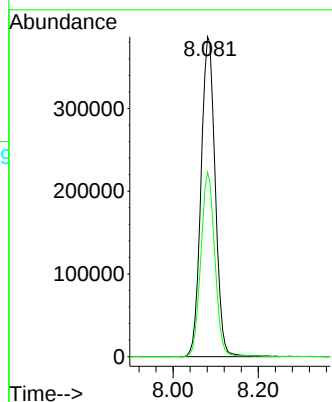
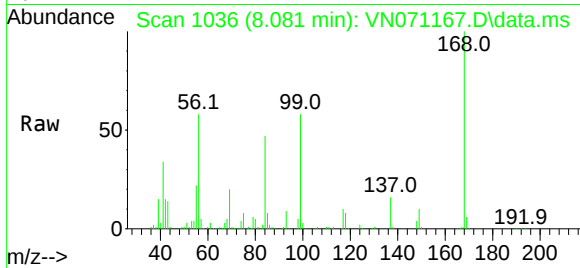




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

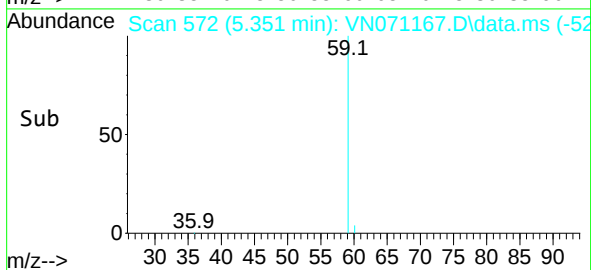
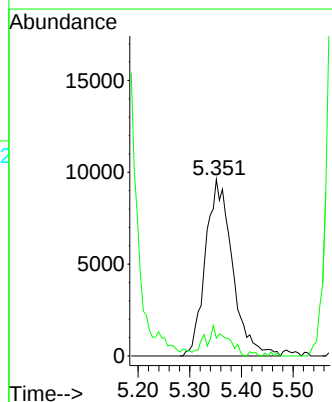
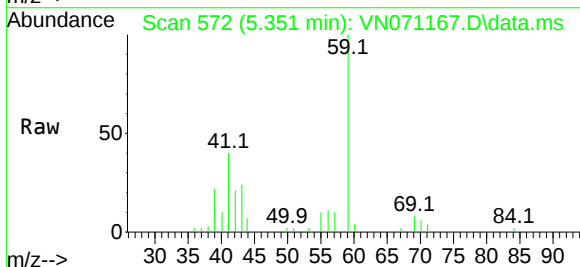
Instrument :
MSVOA_N
ClientSampleId :
INF-03-22

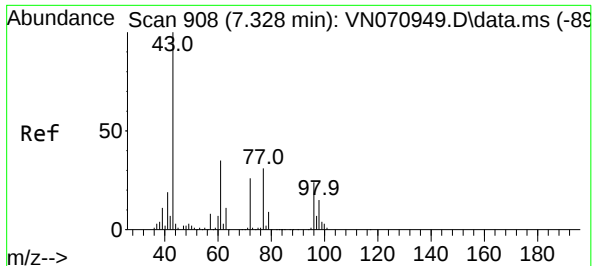
Tgt Ion:168 Resp: 894511
Ion Ratio Lower Upper
168 100
99 57.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 18.665 ug/l
RT: 5.351 min Scan# 572
Delta R.T. -0.018 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion: 59 Resp: 34758
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#25

2-Butanone

Concen: 4.569 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN071167.D

Acq: 04 Mar 2022 13:40

Instrument :

MSVOA_N

ClientSampleId :

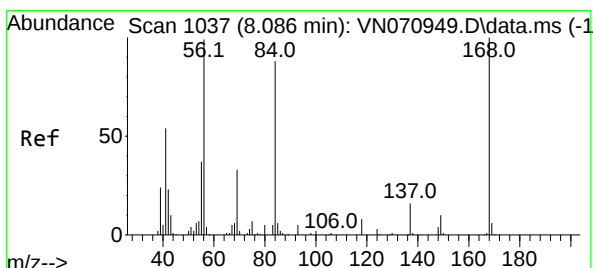
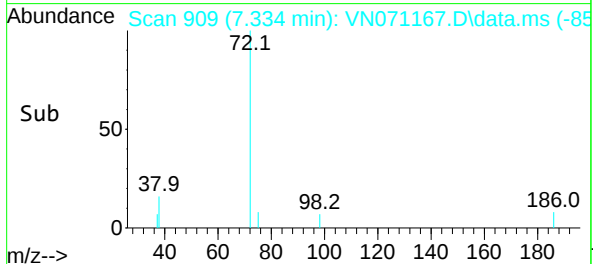
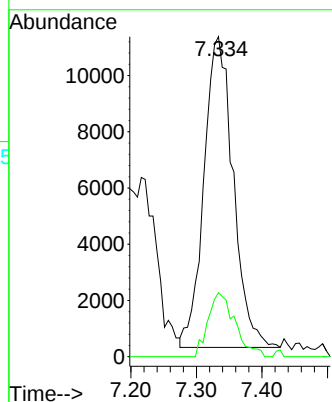
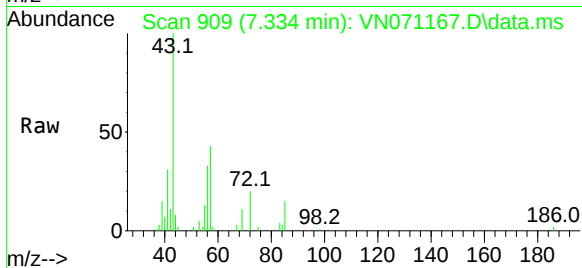
INF-03-22

Tgt Ion: 43 Resp: 34202

Ion Ratio Lower Upper

43 100

72 20.6 21.7 32.5#



#31

Cyclohexane

Concen: 41.653 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VN071167.D

Acq: 04 Mar 2022 13:40

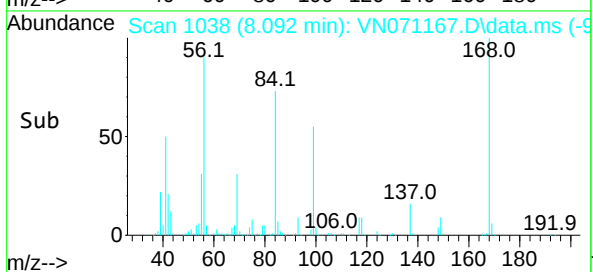
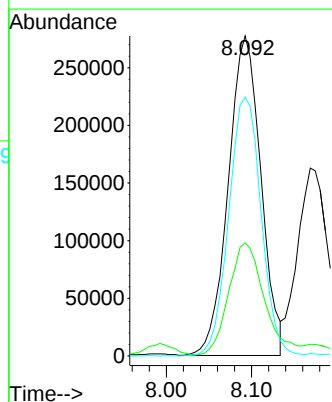
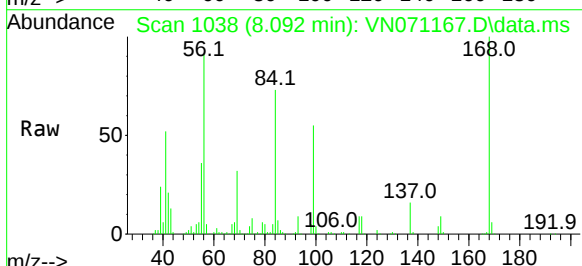
Tgt Ion: 56 Resp: 736098

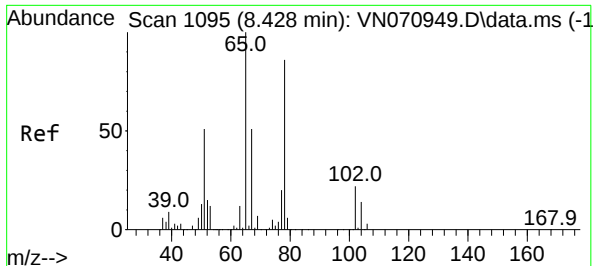
Ion Ratio Lower Upper

56 100

69 34.1 27.1 40.7

84 81.0 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.886 ug/l

RT: 8.434 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071167.D

Acq: 04 Mar 2022 13:40

Instrument :

MSVOA_N

ClientSampleId :

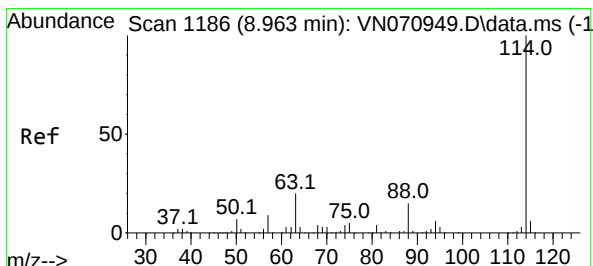
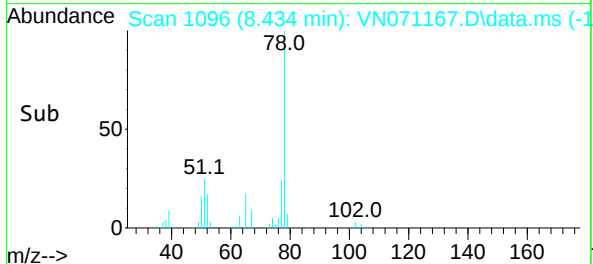
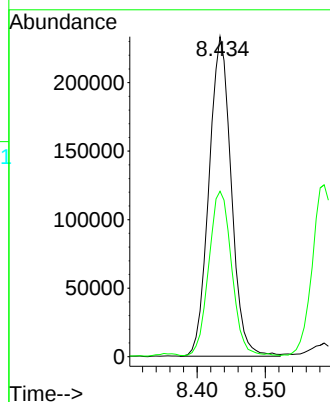
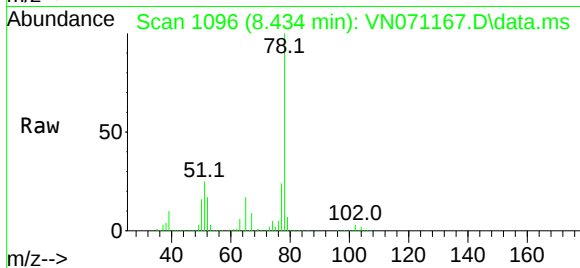
INF-03-22

Tgt Ion: 65 Resp: 530178

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071167.D

Acq: 04 Mar 2022 13:40

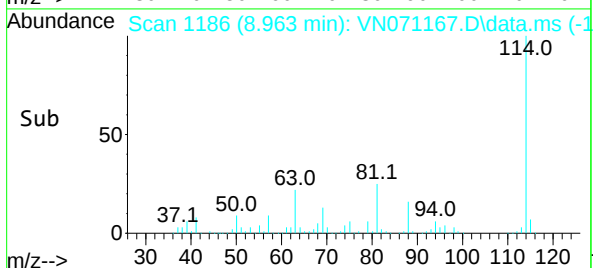
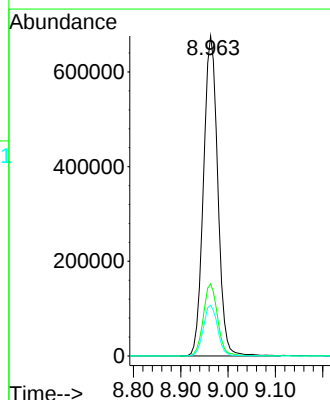
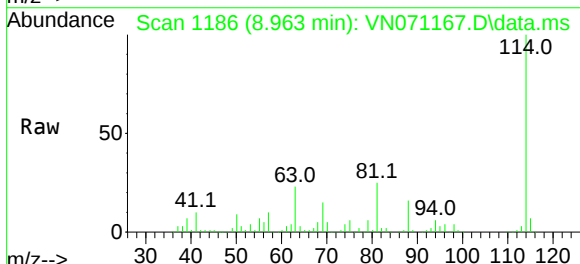
Tgt Ion: 114 Resp: 1413163

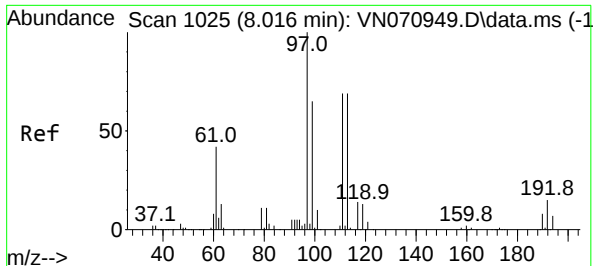
Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.8

88 15.9 0.0 27.4

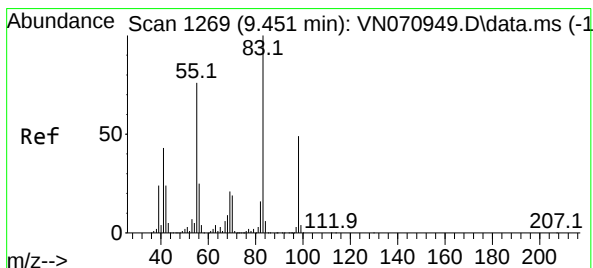
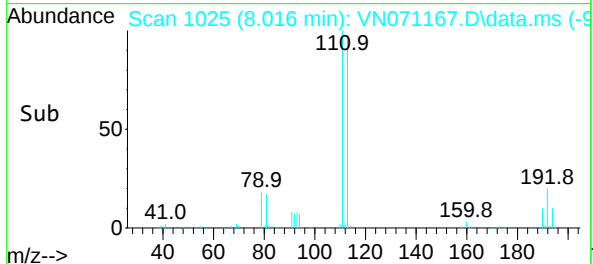
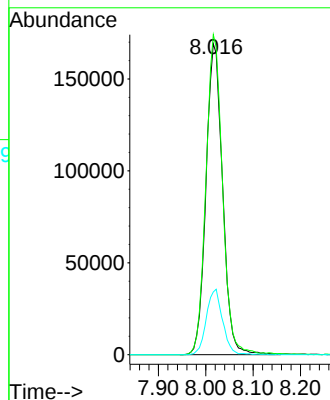
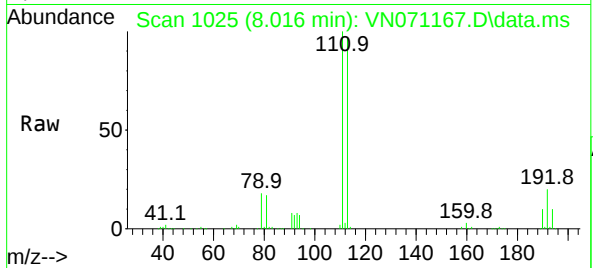




#35
Dibromofluoromethane
Concen: 49.081 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

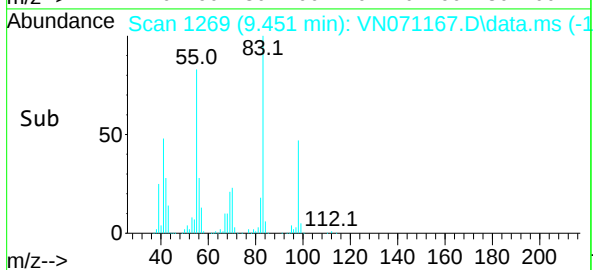
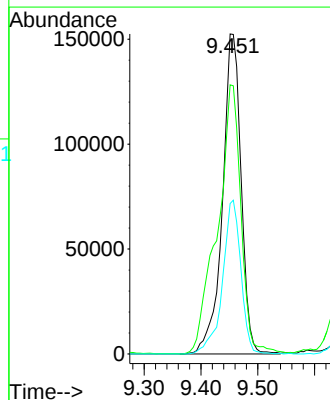
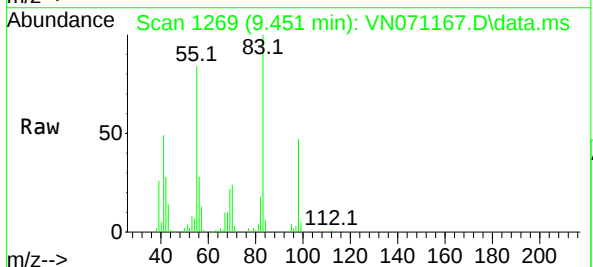
Instrument :
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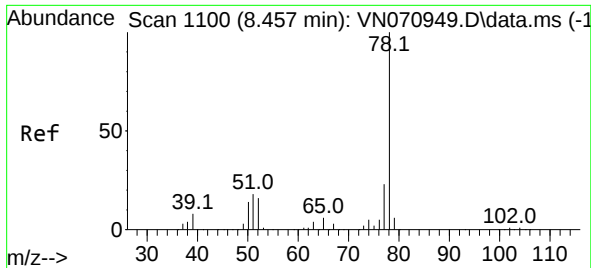
Tgt Ion:113 Resp: 412552
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.5 16.9 25.3



#39
Methylcyclohexane
Concen: 19.670 ug/l
RT: 9.451 min Scan# 1269
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion: 83 Resp: 348557
Ion Ratio Lower Upper
83 100
55 84.1 58.1 87.1
98 47.0 38.4 57.6

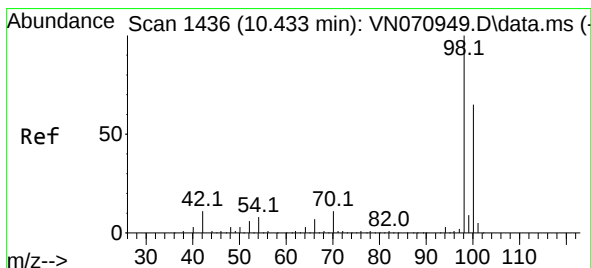
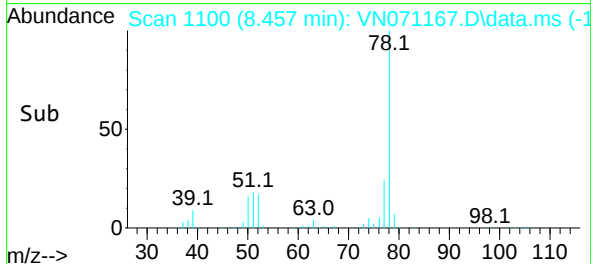
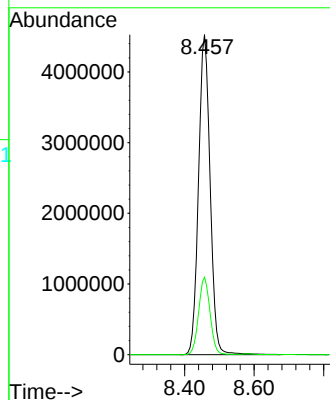
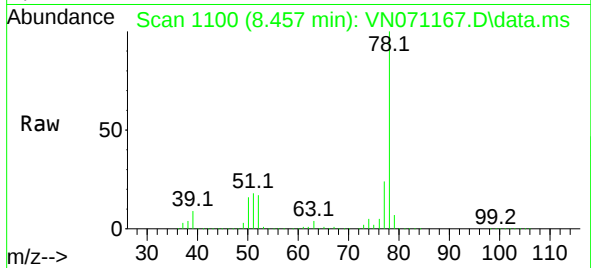




#40
Benzene
Concen: 257.188 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

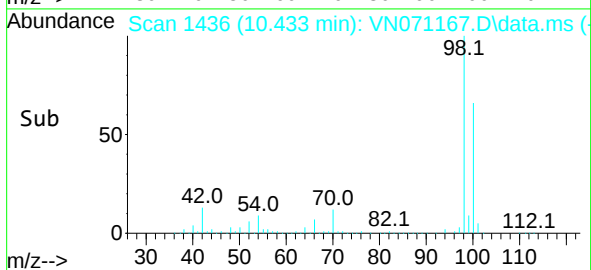
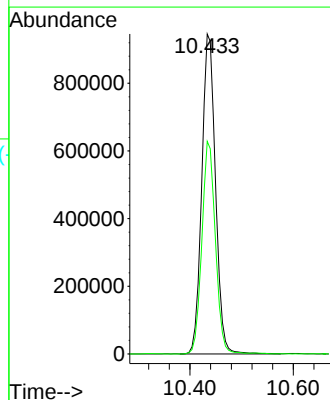
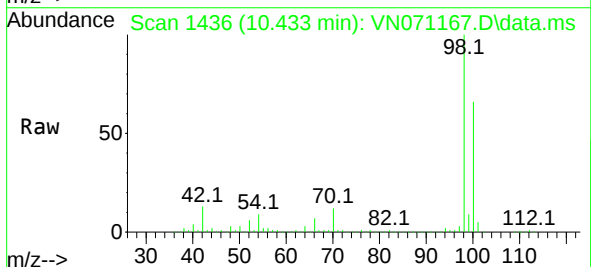
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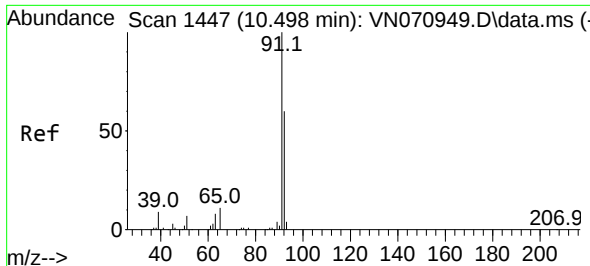
Tgt Ion: 78 Resp:10476475
Ion Ratio Lower Upper
78 100
77 24.2 18.6 27.8



#50
Toluene-d8
Concen: 51.573 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion: 98 Resp: 1740879
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6

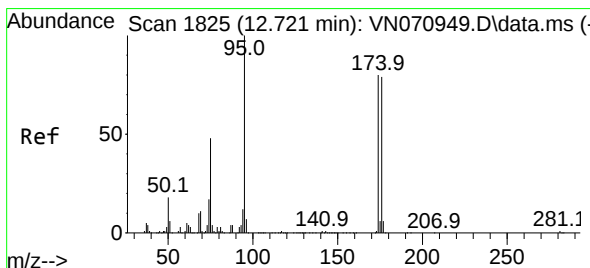
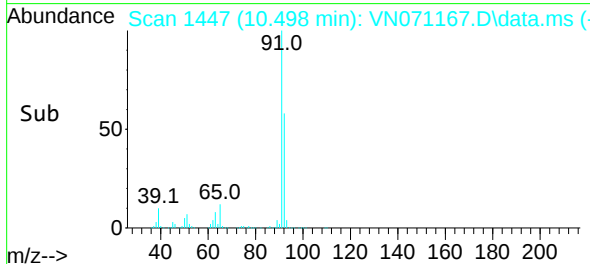
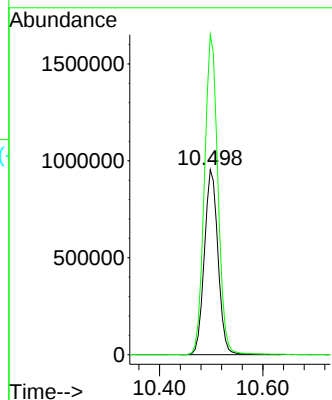
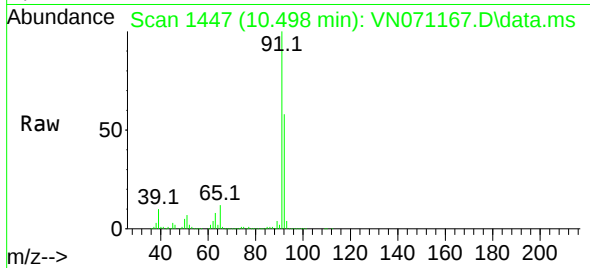




#52
Toluene
Concen: 68.153 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

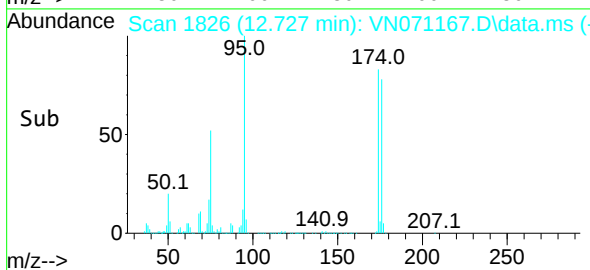
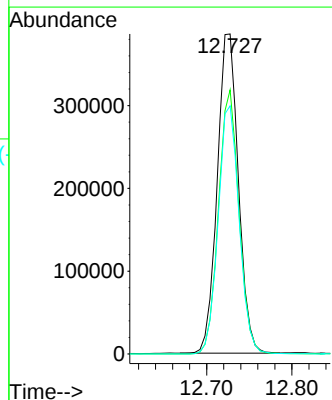
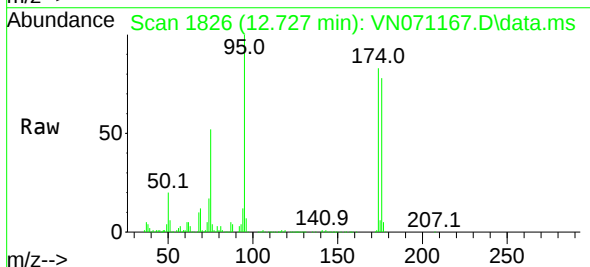
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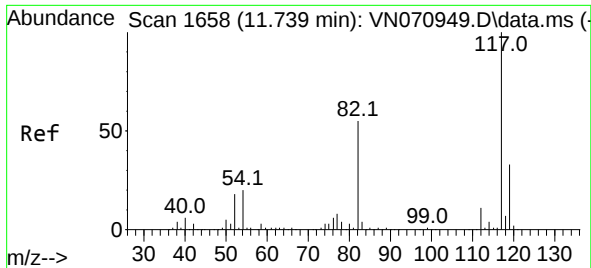
Tgt Ion: 92 Resp: 1744469
Ion Ratio Lower Upper
92 100
91 171.4 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 55.187 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion: 95 Resp: 665876
Ion Ratio Lower Upper
95 100
174 80.2 0.0 187.2
176 77.1 0.0 181.4

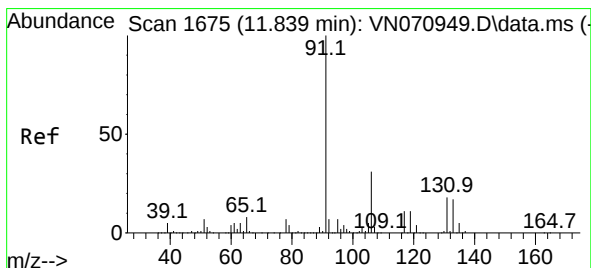
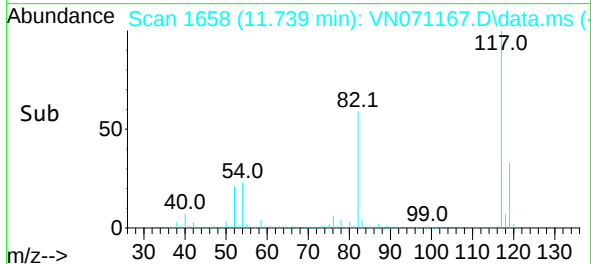
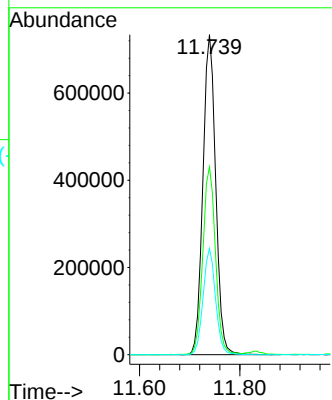
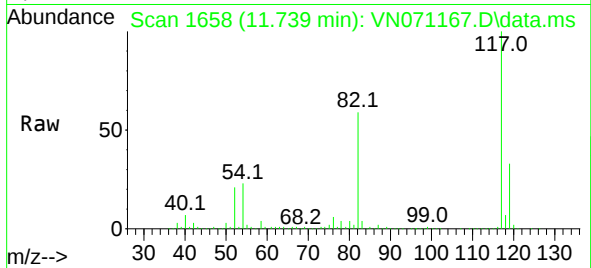




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

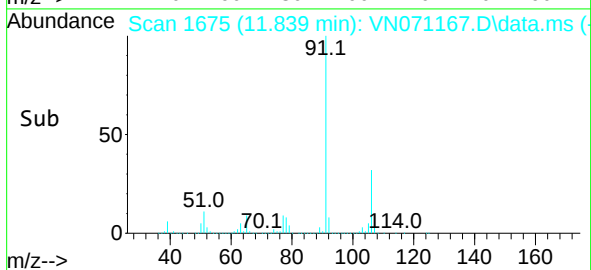
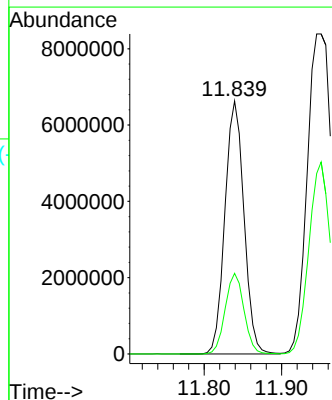
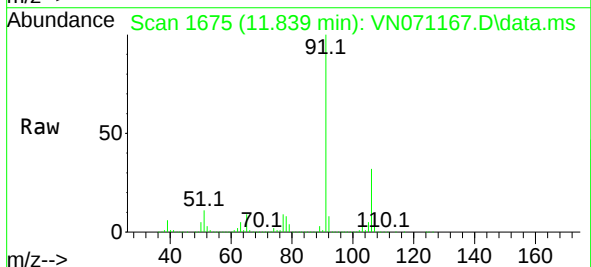
Instrument :
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INF-03-22

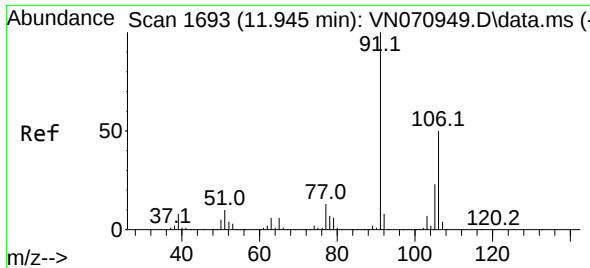
Tgt Ion:117 Resp: 1299450
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 33.2 25.4 38.2



#67
Ethyl Benzene
Concen: 231.364 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion: 91 Resp:11338789
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

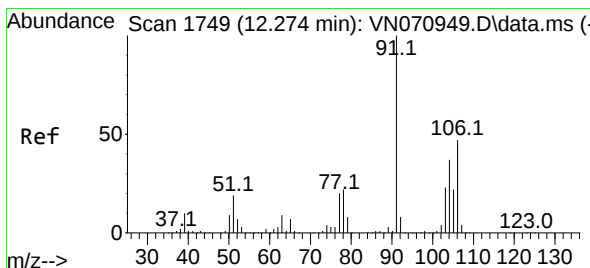
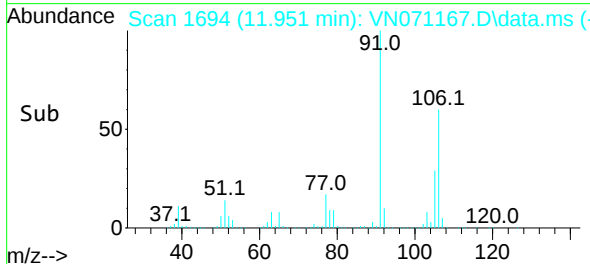
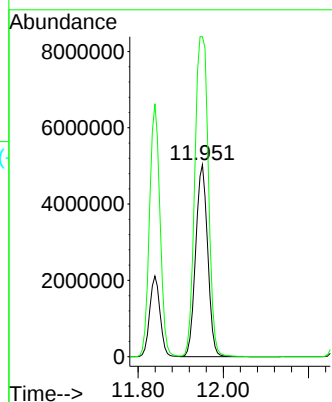
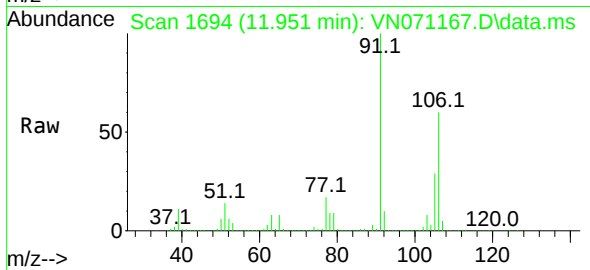




#68
m/p-Xylenes
Concen: 517.532 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

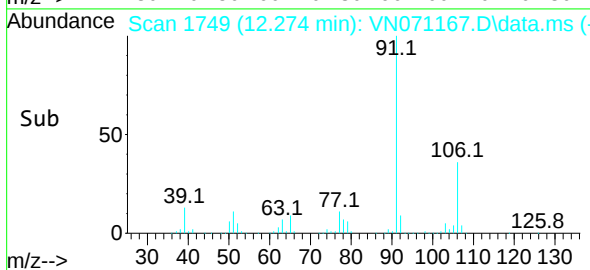
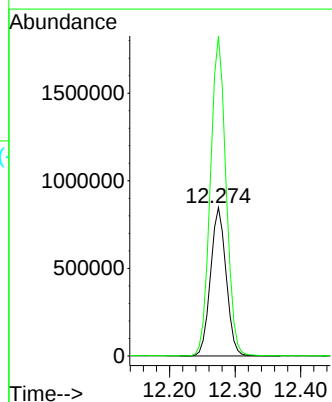
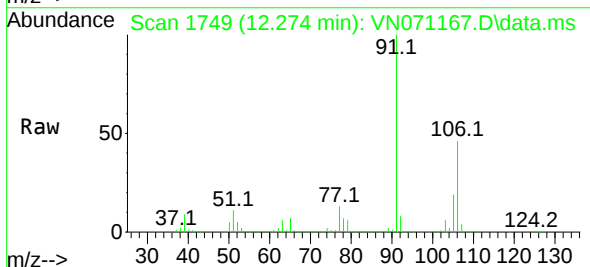
Instrument :
MSVOA_N
ClientSampleId :
INF-03-22

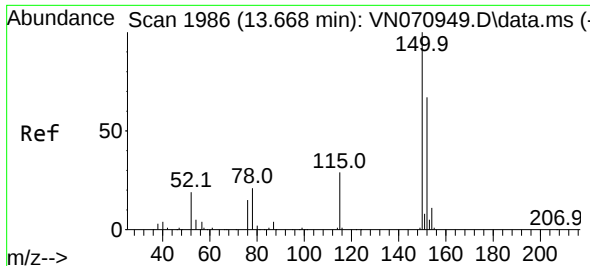
Tgt Ion:106 Resp: 9797091
Ion Ratio Lower Upper
106 100
91 189.1 160.6 240.8



#69
o-Xylene
Concen: 75.685 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion:106 Resp: 1399584
Ion Ratio Lower Upper
106 100
91 216.5 105.8 317.3

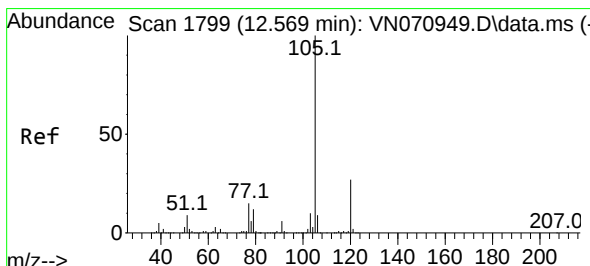
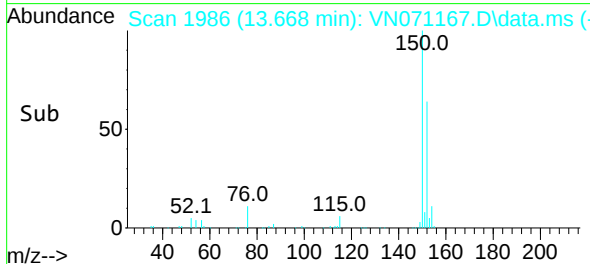
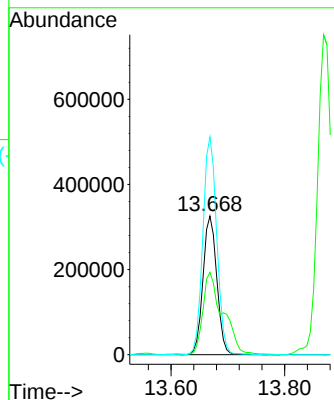
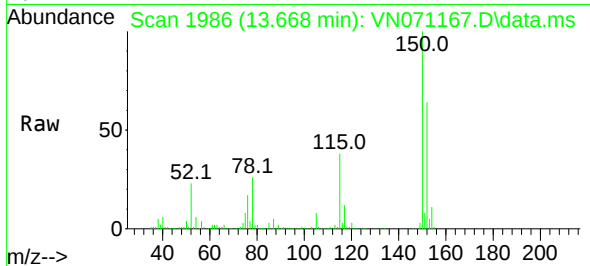




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

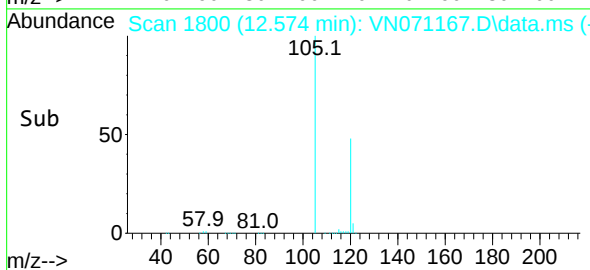
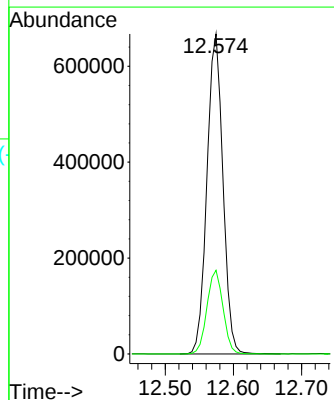
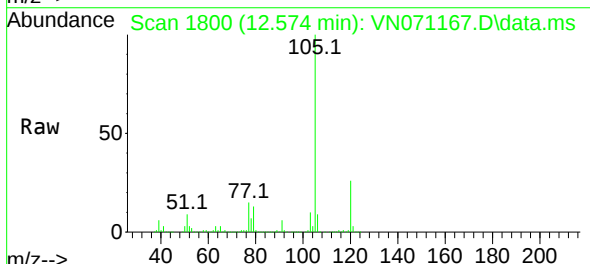
Instrument :
MSVOA_N
ClientSampleId :
INF-03-22

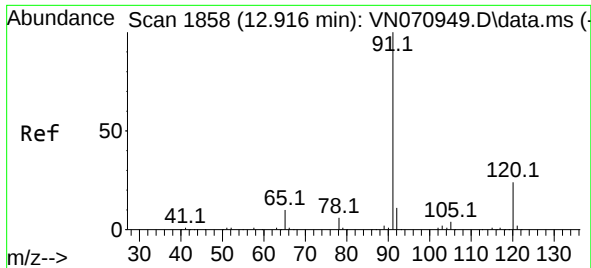
Tgt Ion:152 Resp: 549969
Ion Ratio Lower Upper
152 100
115 85.8 27.5 82.5#
150 157.4 0.0 344.4



#73
Isopropylbenzene
Concen: 24.563 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.006 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion:105 Resp: 1087335
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

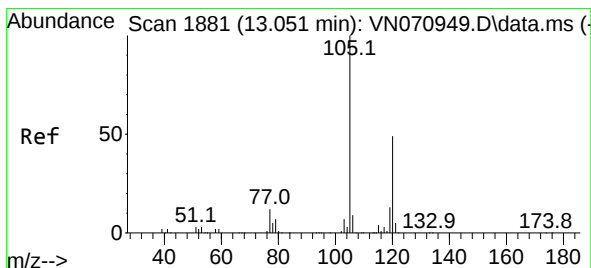
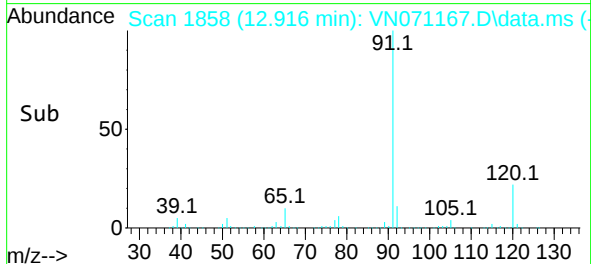
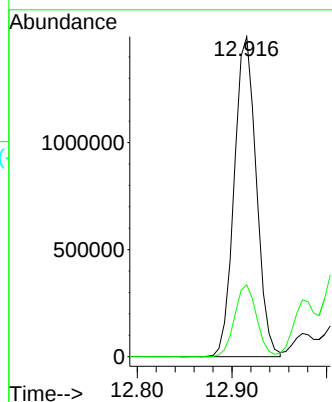
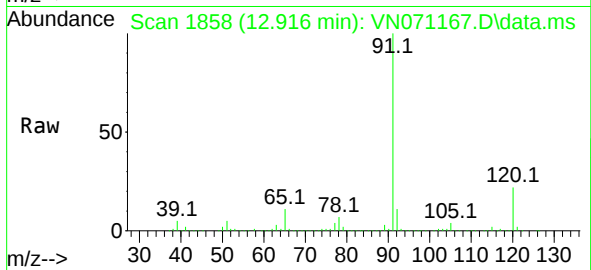




#78
n-propylbenzene
Concen: 48.475 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

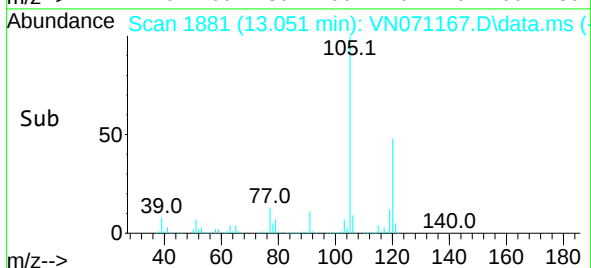
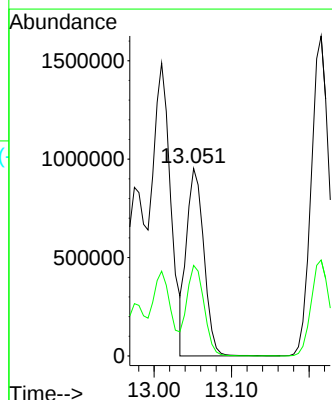
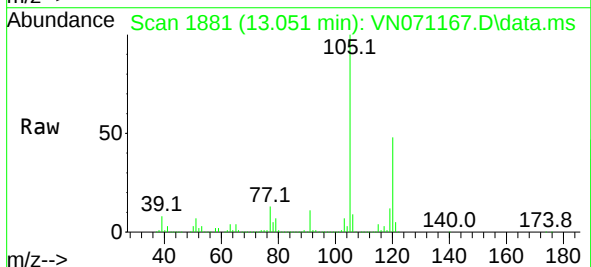
Instrument :
MSVOA_N
ClientSampleId :
INF-03-22

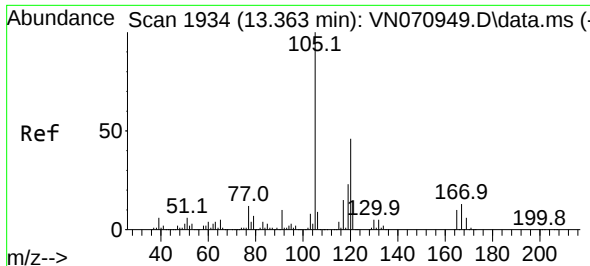
Tgt Ion: 91 Resp: 2410982
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 41.074 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion: 105 Resp: 1473046
Ion Ratio Lower Upper
105 100
120 48.5 24.6 73.6

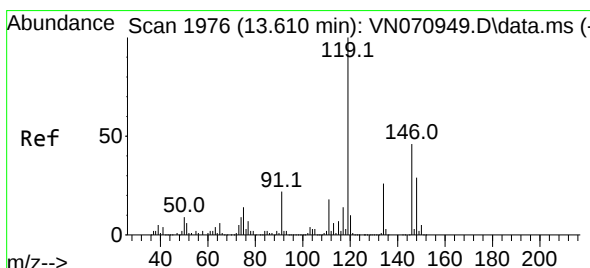
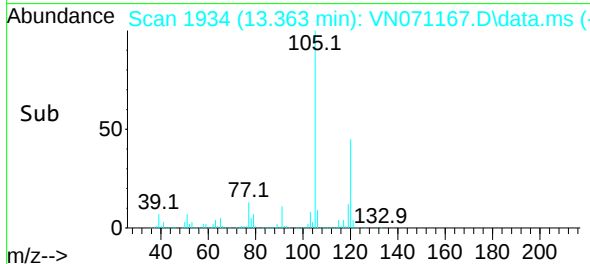
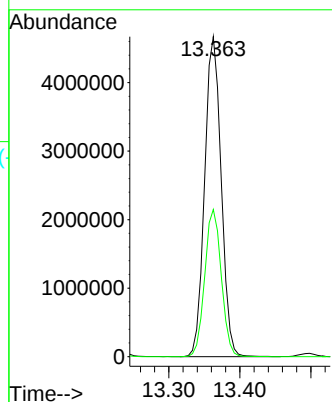
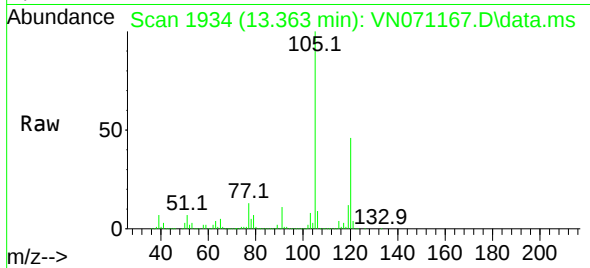




#84
1,2,4-Trimethylbenzene
Concen: 214.235 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

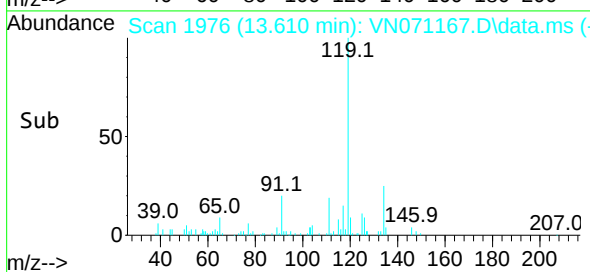
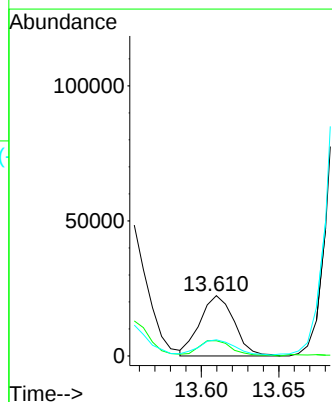
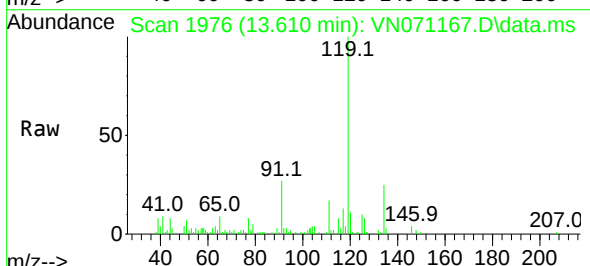
Instrument :
MSVOA_N
ClientSampleId :
INF-03-22

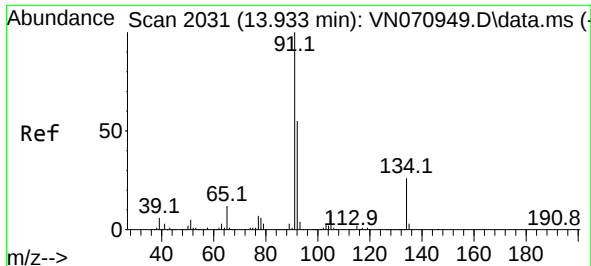
Tgt Ion:105 Resp: 7563256
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4



#86
p-Isopropyltoluene
Concen: 0.932 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion:119 Resp: 34296
Ion Ratio Lower Upper
119 100
134 25.0 13.6 40.7
91 0.0 11.4 34.1#

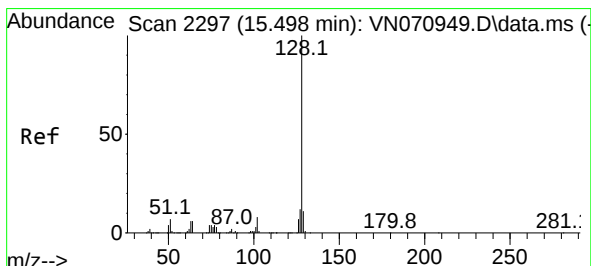
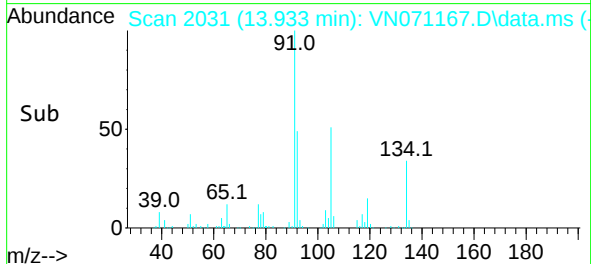
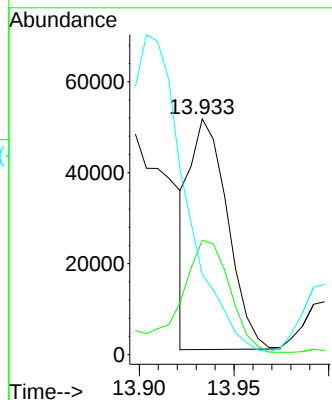
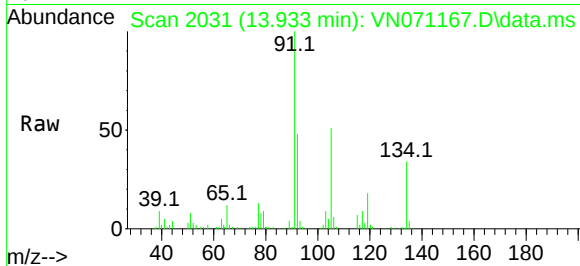




#89
n-Butylbenzene
Concen: 2.340 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Instrument :
MSVOA_N
ClientSampleId :
INF-03-22

Tgt Ion: 91 Resp: 70227
Ion Ratio Lower Upper
91 100
92 61.5 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 50.330 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071167.D
Acq: 04 Mar 2022 13:40

Tgt Ion:128 Resp: 1238399
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.1 8.7 13.1

