

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011722\
 Data File : VN070650.D
 Acq On : 17 Jan 2022 17:20
 Operator : JC/MD
 Sample : N1141-05MEDL 50X
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41172ME

Quant Time: Jan 18 03:18:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

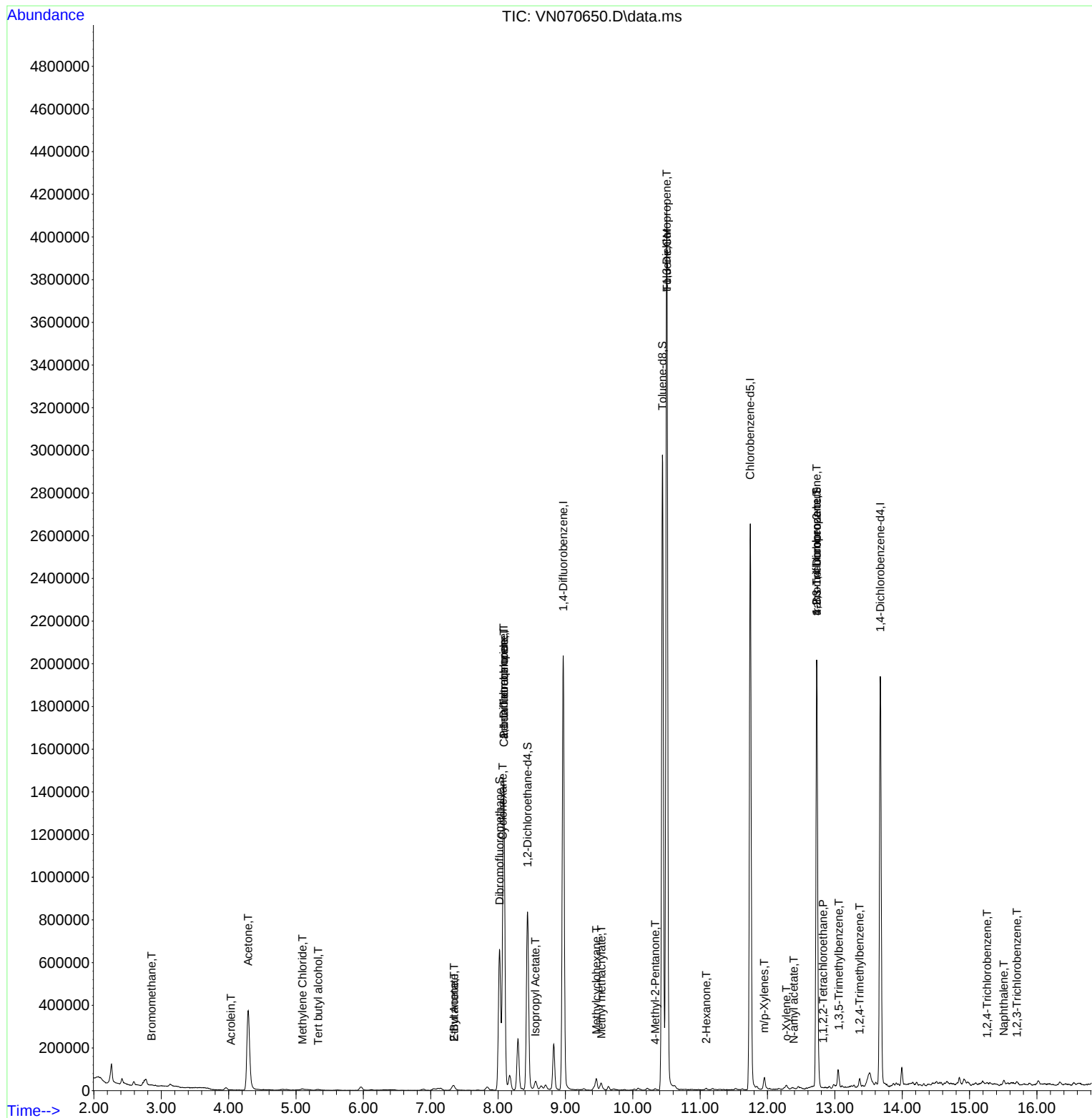
Internal Standards						
1) Pentafluorobenzene	8.086	168	1049514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1764866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1560408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	540439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	710840	47.107	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.220%		
35) Dibromofluoromethane	8.021	113	492994	46.168	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.340%		
50) Toluene-d8	10.440	98	2101016	48.164	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.731	95	750992	47.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.340%		
Target Compounds						Qvalue
5) Bromomethane	2.856	94	2106	0.277	ug/l #	66
11) Tert butyl alcohol	5.331	59	702	0.279	ug/l #	71
13) Acrolein	4.033	56	483	0.237	ug/l #	66
16) Acetone	4.291	43	724310	73.941	ug/l	98
20) Methylene Chloride	5.095	84	3166	0.234	ug/l #	86
25) 2-Butanone	7.348	43	30701	2.489	ug/l	91
31) Cyclohexane	8.069	56	57543	2.417	ug/l #	66
36) 1,1-Dichloropropene	8.083	75	82596	4.676	ug/l #	49
37) Ethyl Acetate	7.348	43	30701	1.341	ug/l #	69
38) Carbon Tetrachloride	8.088	117	103625	6.143	ug/l #	15
39) Methylcyclohexane	9.461	83	20231	0.946	ug/l	89
43) Isopropyl Acetate	8.555	43	23523	0.652	ug/l #	55
48) Methyl methacrylate	9.534	41	12455	0.723	ug/l #	31
51) 4-Methyl-2-Pentanone	10.333	43	5789	0.255	ug/l #	82
52) Toluene	10.505	92	1829951	55.825	ug/l	96
53) t-1,3-Dichloropropene	10.502	75	19647	1.008	ug/l #	1
59) 2-Hexanone	11.089	43	5845	0.353	ug/l	96
68) m/p-Xylenes	11.953	106	10064	0.456	ug/l	84
69) o-Xylene	12.280	106	4425	0.201	ug/l	94
74) N-amyl acetate	12.390	43	4293	0.203	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.825	83	448	0.471	ug/l #	40
76) 1,2,3-Trichloropropane	12.731	75	387105	25.606	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	9770	0.243	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.731	75	387105	87.513	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	24441	0.631	ug/l	95
93) 1,2,4-Trichlorobenzene	15.262	180	3334	0.374	ug/l #	80
95) Naphthalene	15.507	128	20178	2.587	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.702	180	4307	1.323	ug/l #	72

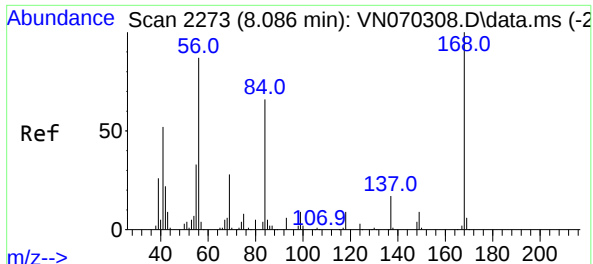
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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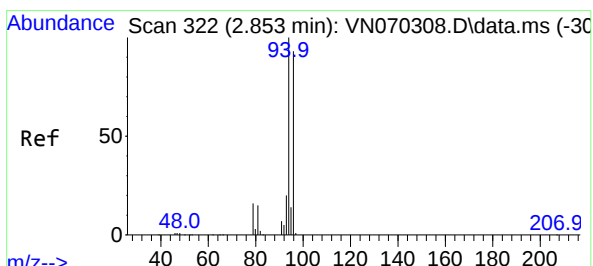
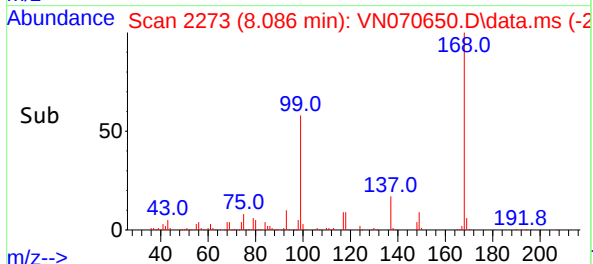
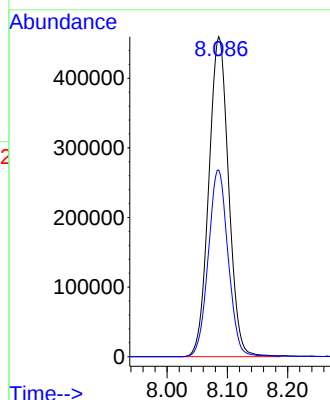
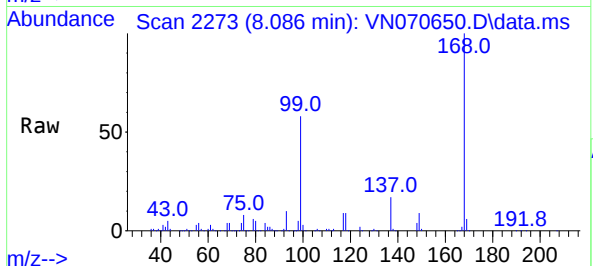




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

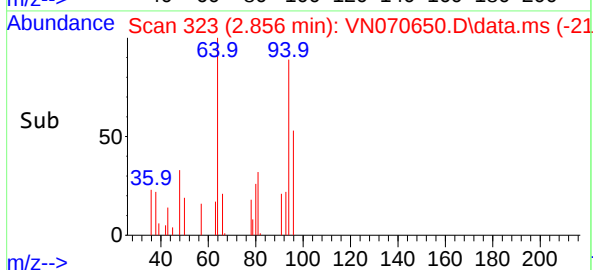
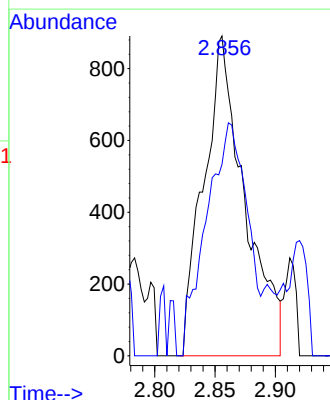
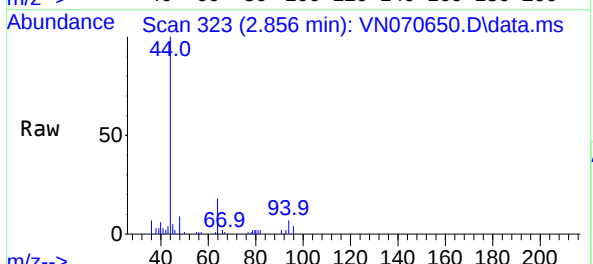
Instrument :
MSVOA_N
ClientSampleId :
41172ME

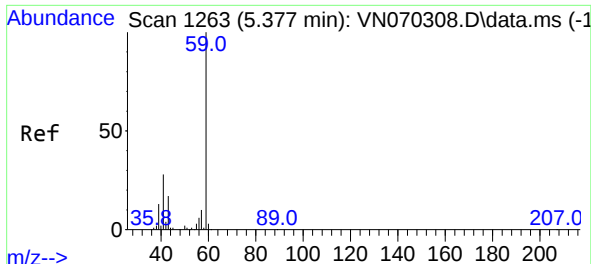
Tgt Ion:168 Resp: 1049514
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#5
Bromomethane
Concen: 0.277 ug/l
RT: 2.856 min Scan# 323
Delta R.T. 0.003 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 94 Resp: 2106
Ion Ratio Lower Upper
94 100
96 59.8 73.8 110.8#

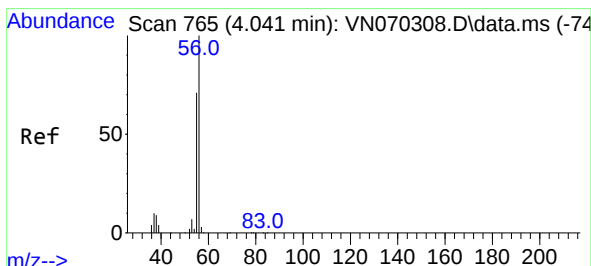
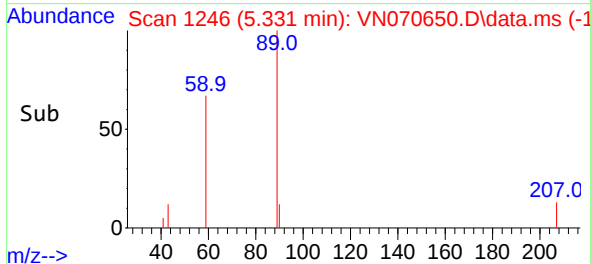
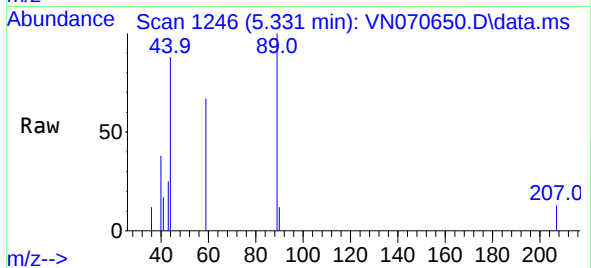




#11
Tert butyl alcohol
Concen: 0.279 ug/l
RT: 5.331 min Scan# 11
Delta R.T. -0.046 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

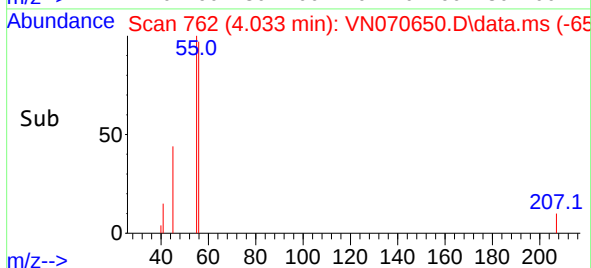
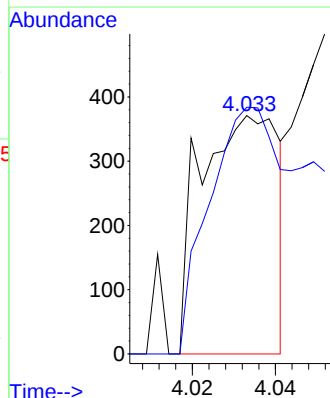
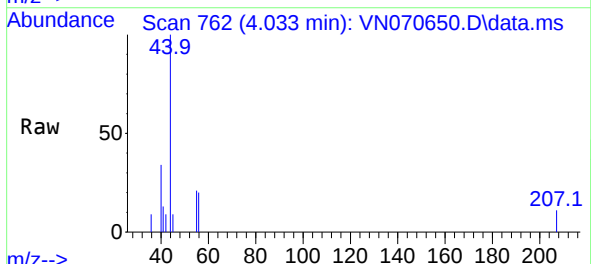
Instrument :
MSVOA_N
ClientSampleId :
41172ME

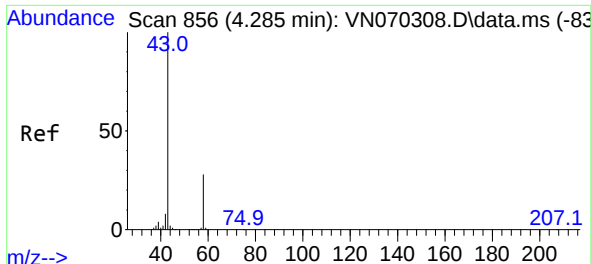
Tgt Ion: 59 Resp: 702
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.237 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 56 Resp: 483
Ion Ratio Lower Upper
56 100
55 99.0 56.6 85.0#

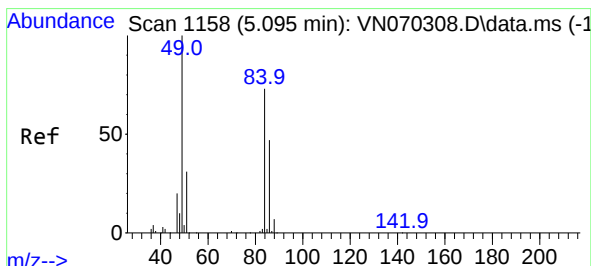
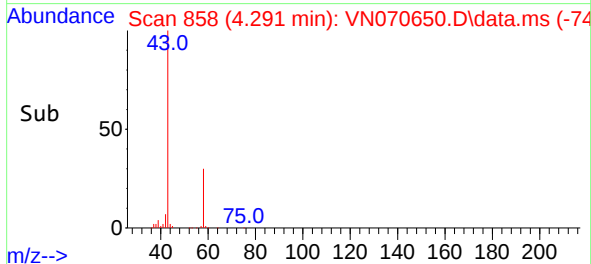
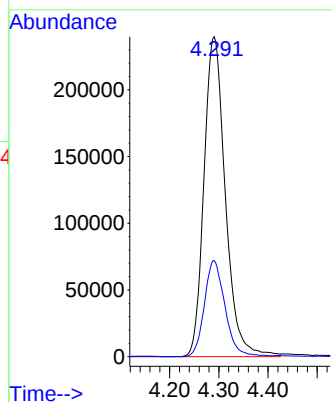
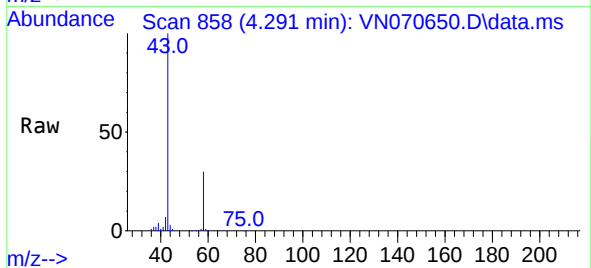




#16
Acetone
Concen: 73.941 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

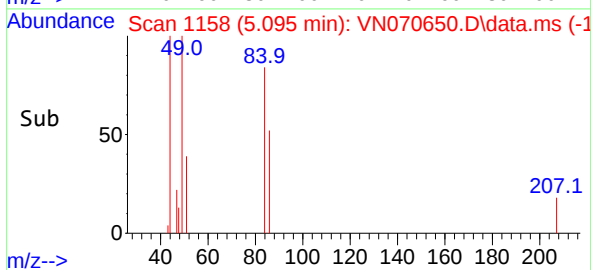
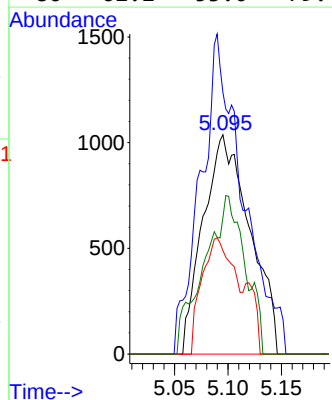
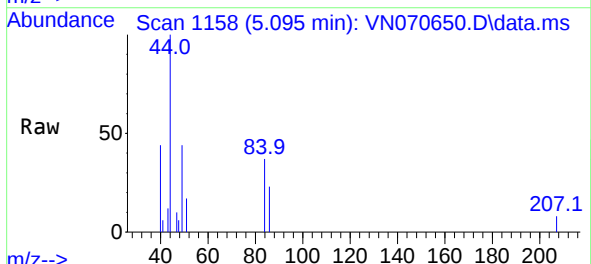
Instrument :
MSVOA_N
ClientSampleId :
41172ME

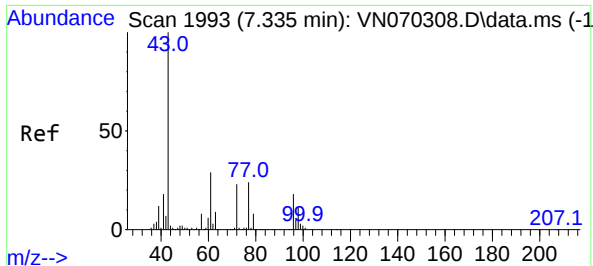
Tgt Ion: 43 Resp: 724310
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 84 Resp: 3166
Ion Ratio Lower Upper
84 100
49 97.9 93.5 140.3
51 47.2 29.4 44.2#
86 62.2 53.0 79.4

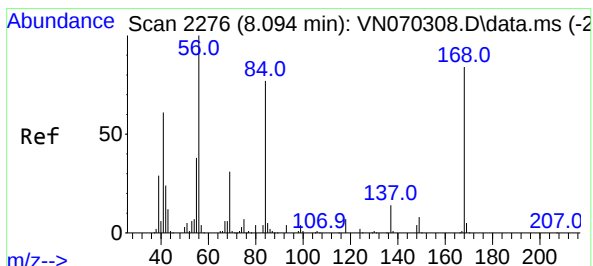
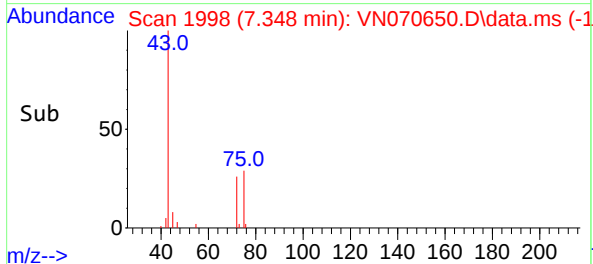
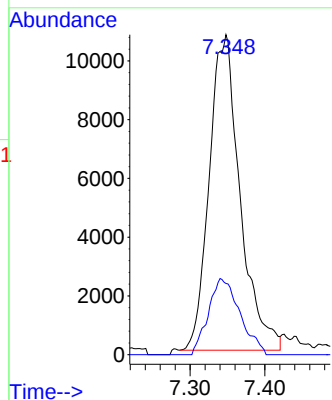
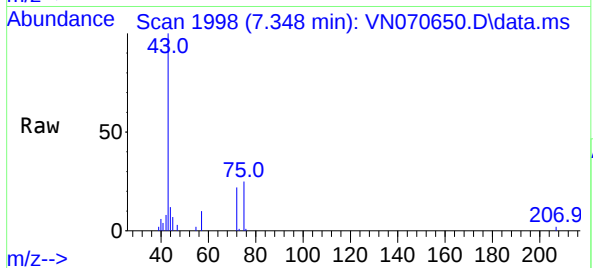




#25
2-Butanone
Concen: 2.489 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

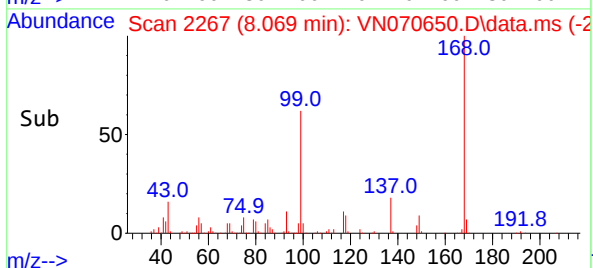
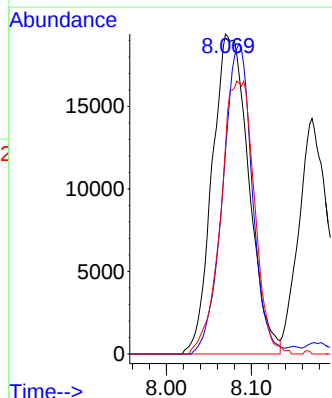
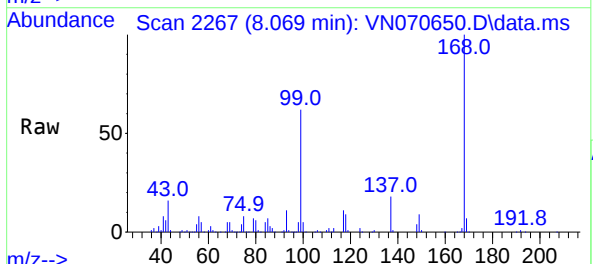
Instrument :
MSVOA_N
ClientSampleId :
41172ME

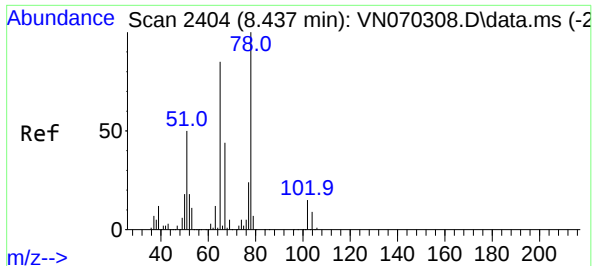
Tgt Ion: 43 Resp: 30701
Ion Ratio Lower Upper
43 100
72 22.5 21.7 32.5



#31
Cyclohexane
Concen: 2.417 ug/l
RT: 8.069 min Scan# 2267
Delta R.T. -0.025 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 56 Resp: 57543
Ion Ratio Lower Upper
56 100
69 63.3 27.1 40.7#
84 64.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.107 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070650.D

Acq: 17 Jan 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

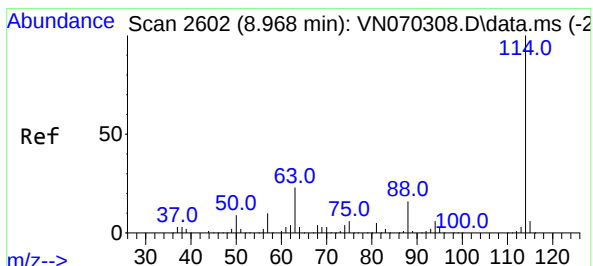
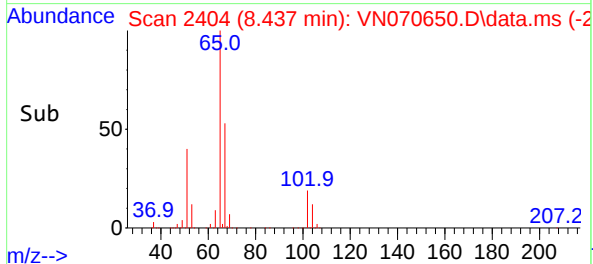
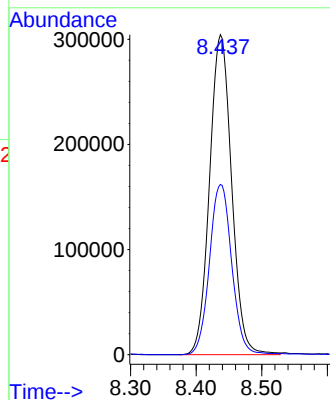
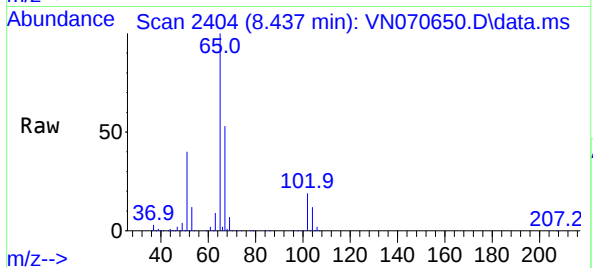
41172ME

Tgt Ion: 65 Resp: 710840

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070650.D

Acq: 17 Jan 2022 17:20

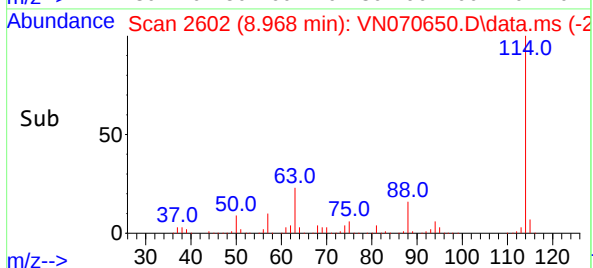
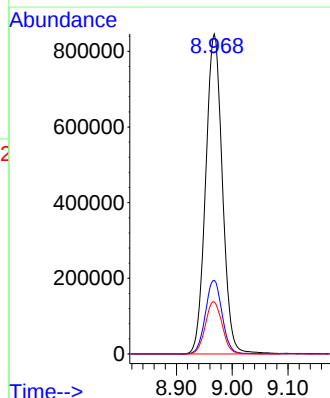
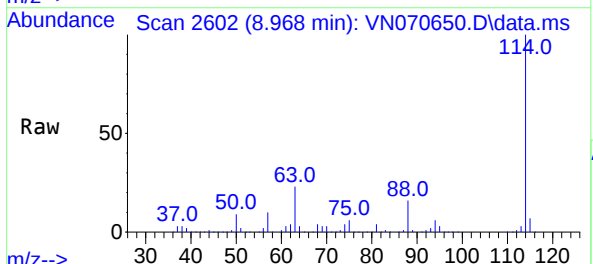
Tgt Ion: 114 Resp: 1764866

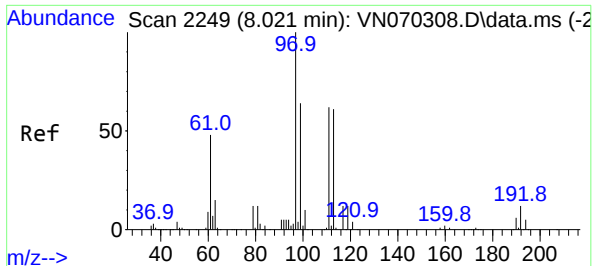
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 16.2 0.0 27.4

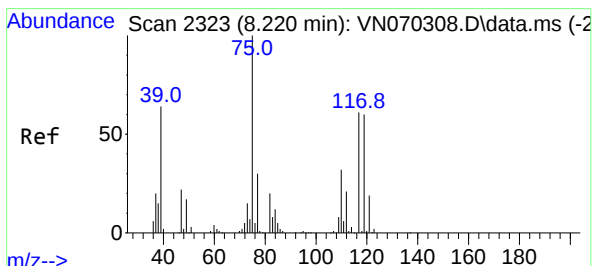
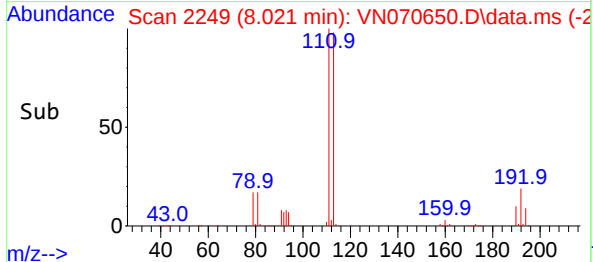
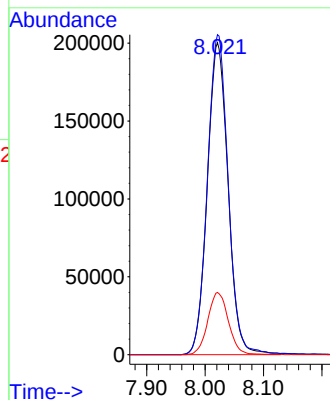
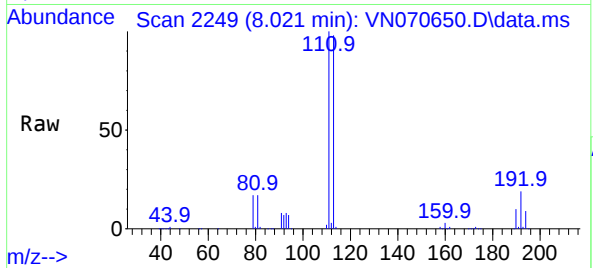




#35
Dibromofluoromethane
Concen: 46.168 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

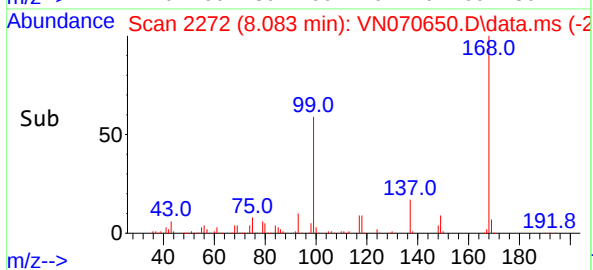
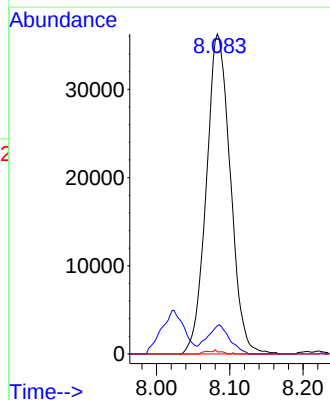
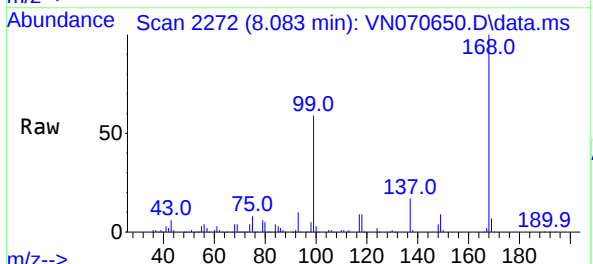
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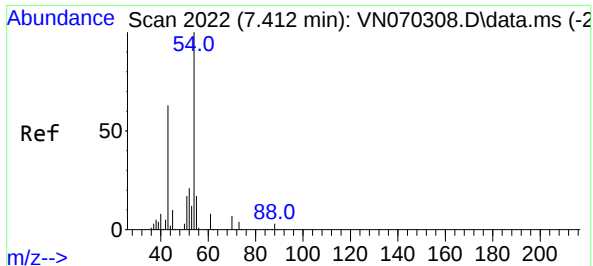
Tgt Ion:113 Resp: 492994
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.676 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 75 Resp: 82596
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.4 24.4 36.6#

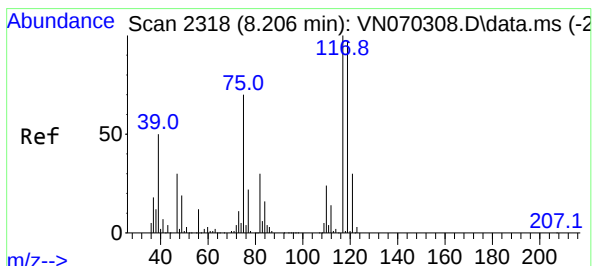
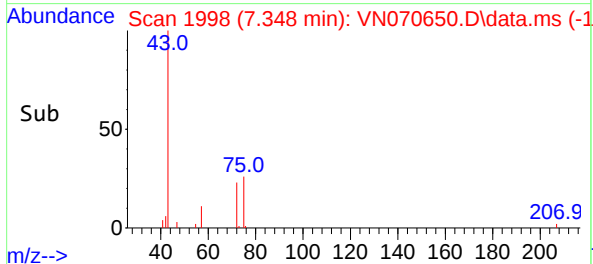
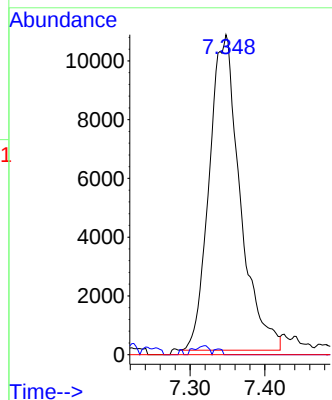
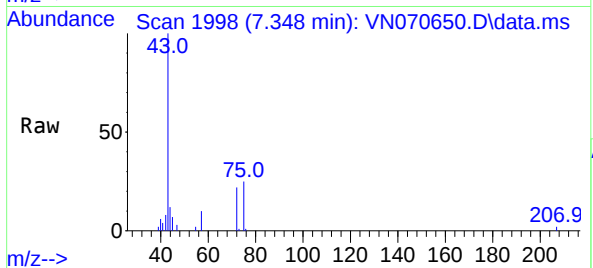




#37
Ethyl Acetate
Concen: 1.341 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.064 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

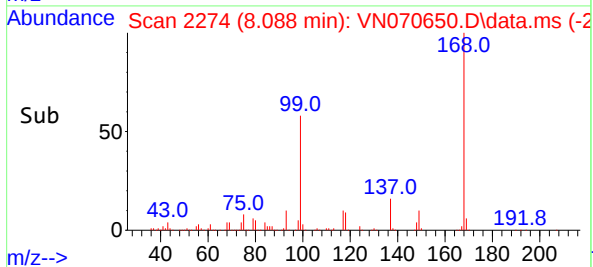
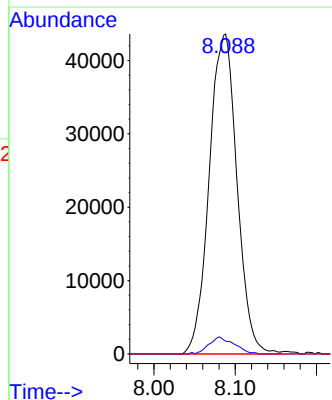
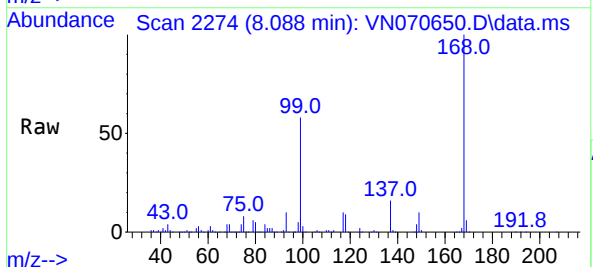
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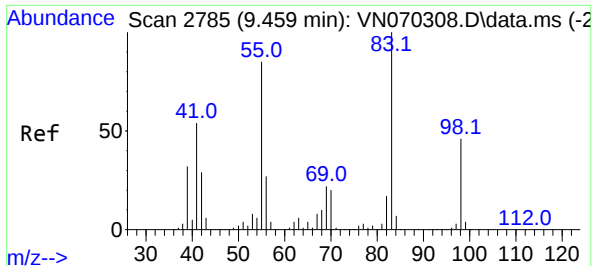
Tgt Ion: 43 Resp: 30701
Ion Ratio Lower Upper
43 100
61 0.5 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 117 Resp: 103625
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.946 ug/l

RT: 9.461 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070650.D

Acq: 17 Jan 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

41172ME

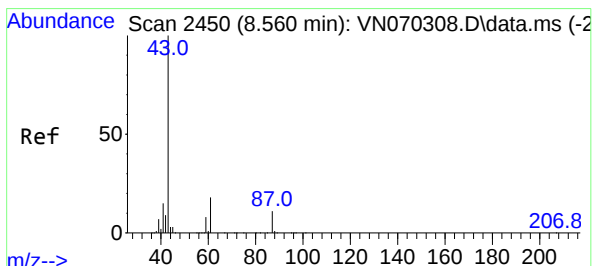
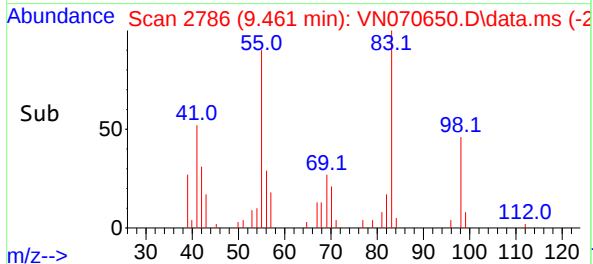
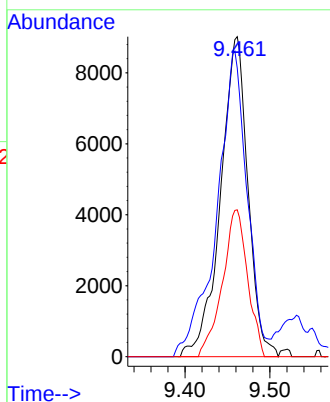
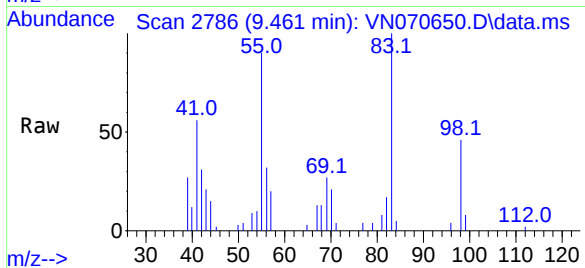
Tgt Ion: 83 Resp: 20231

Ion Ratio Lower Upper

83 100

55 86.8 58.1 87.1

98 45.9 38.4 57.6



#43

Isopropyl Acetate

Concen: 0.652 ug/l

RT: 8.555 min Scan# 2448

Delta R.T. -0.005 min

Lab File: VN070650.D

Acq: 17 Jan 2022 17:20

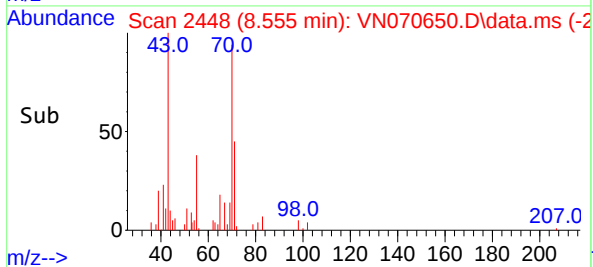
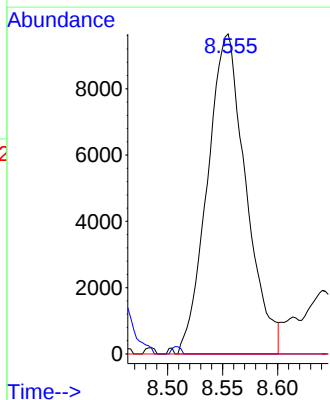
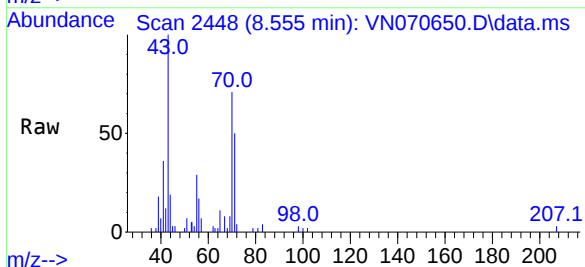
Tgt Ion: 43 Resp: 23523

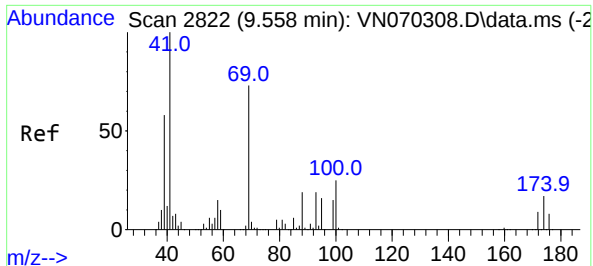
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 11.2 16.8#

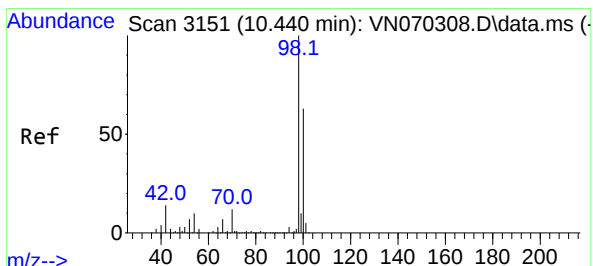
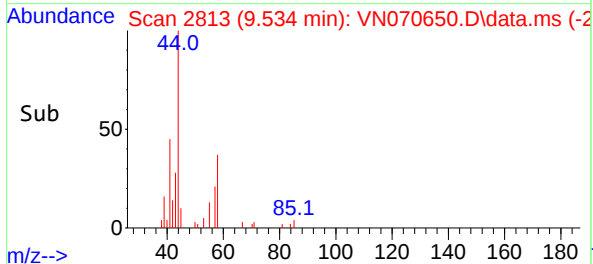
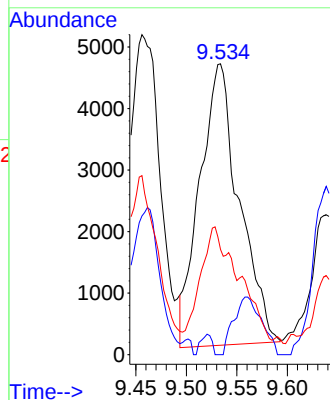
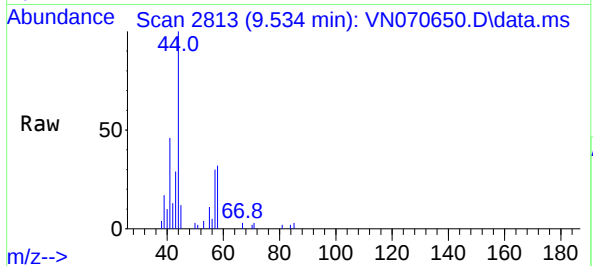




#48
Methyl methacrylate
Concen: 0.723 ug/l
RT: 9.534 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

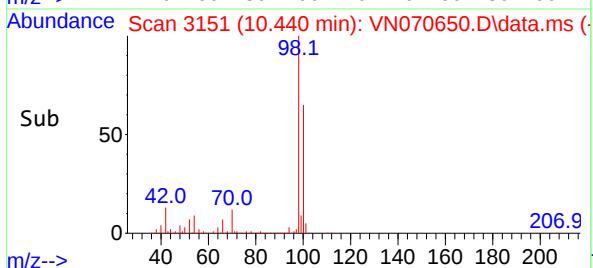
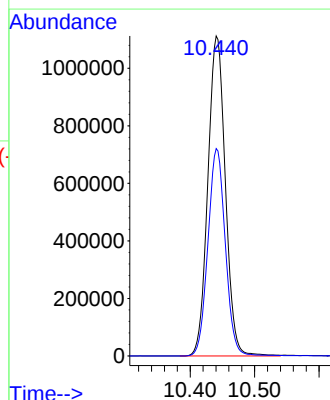
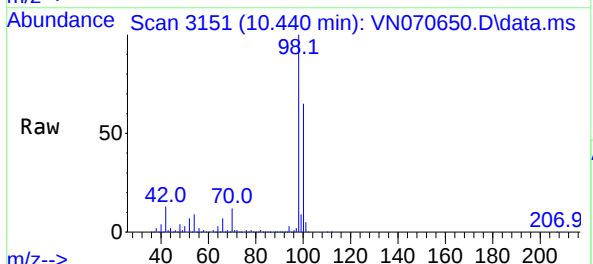
Instrument :
MSVOA_N
ClientSampleId :
41172ME

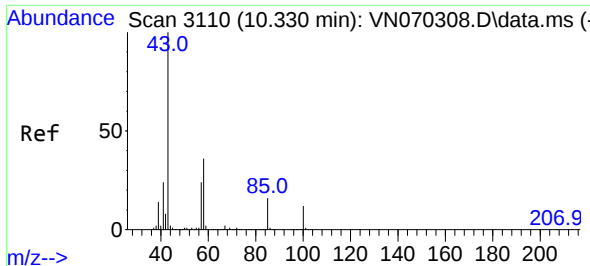
Tgt Ion: 41 Resp: 12455
Ion Ratio Lower Upper
41 100
69 2.0 72.4 108.6#
39 40.8 58.4 87.6#



#50
Toluene-d8
Concen: 48.164 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 98 Resp: 2101016
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

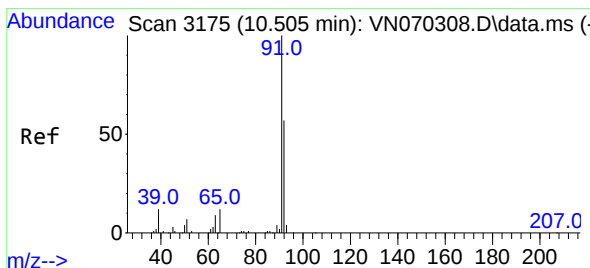
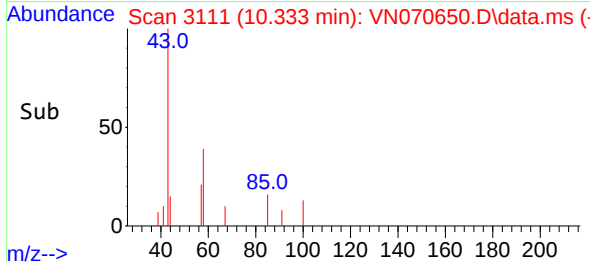
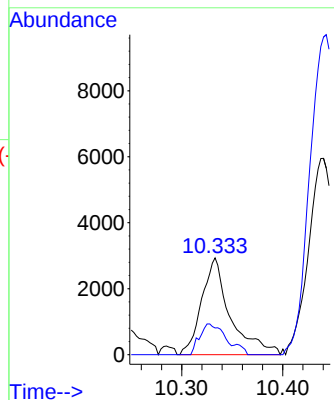
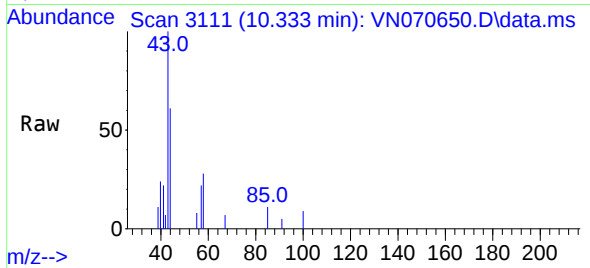




#51
4-Methyl-2-Pentanone
Concen: 0.255 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

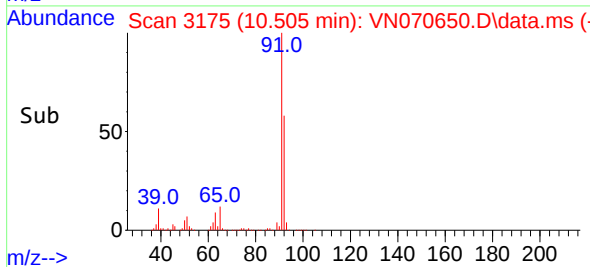
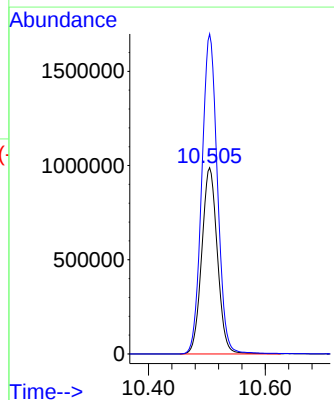
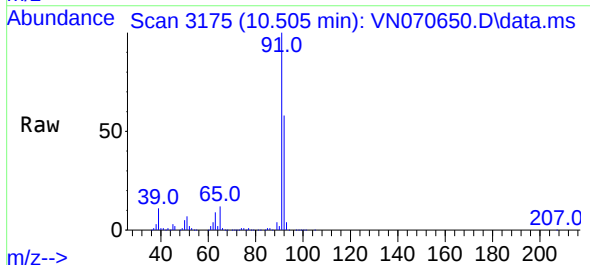
Instrument :
MSVOA_N
ClientSampleId :
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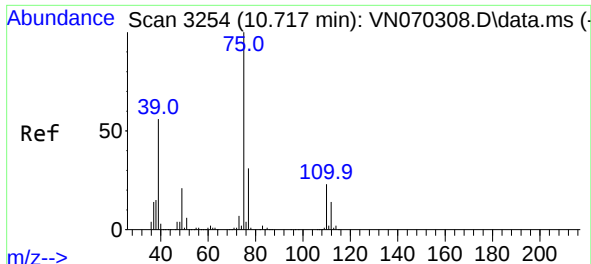
Tgt Ion: 43 Resp: 5789
Ion Ratio Lower Upper
43 100
58 27.1 30.4 45.6#



#52
Toluene
Concen: 55.825 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 92 Resp: 1829951
Ion Ratio Lower Upper
92 100
91 172.6 142.0 213.0

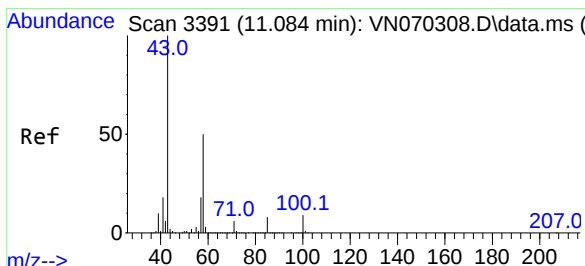
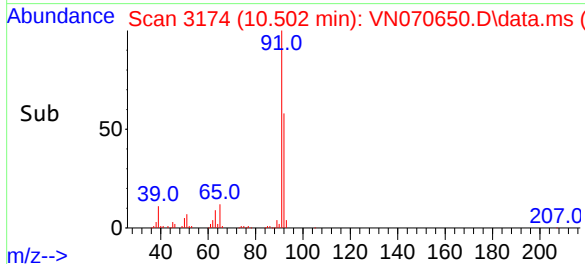
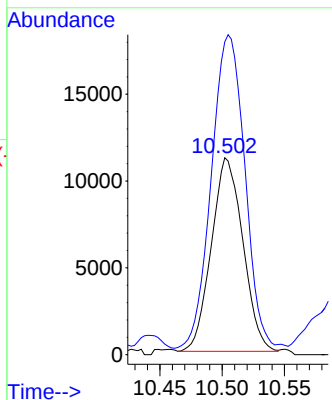
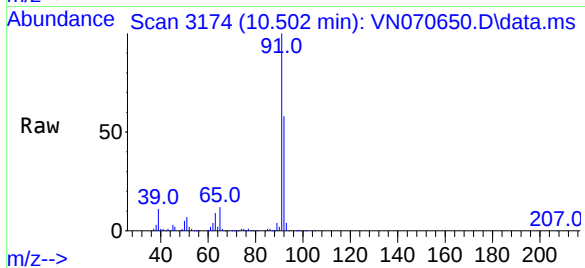




#53
t-1,3-Dichloropropene
Concen: 1.008 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.215 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

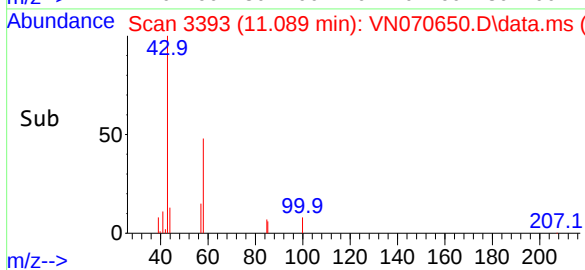
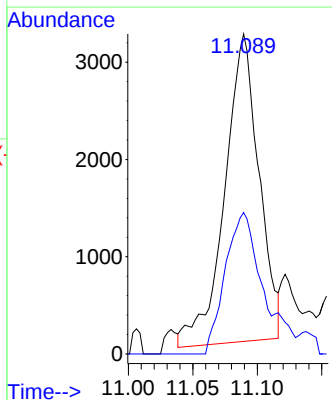
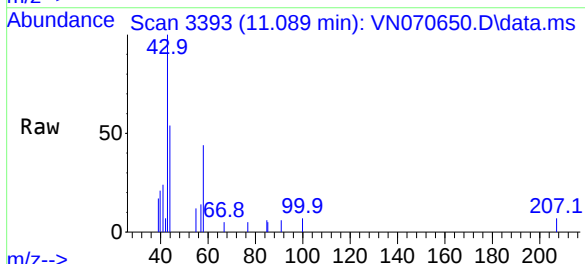
Instrument :
MSVOA_N
ClientSampleId :
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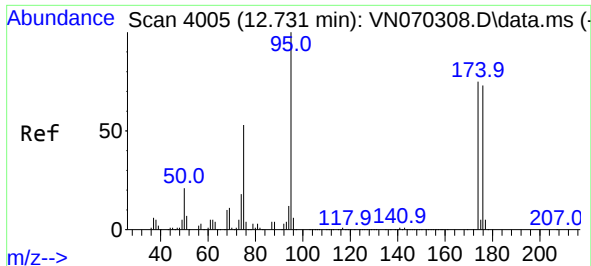
Tgt Ion: 75 Resp: 19647
Ion Ratio Lower Upper
75 100
77 157.7 25.6 38.4#



#59
2-Hexanone
Concen: 0.353 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 43 Resp: 5845
Ion Ratio Lower Upper
43 100
58 50.7 26.9 80.7

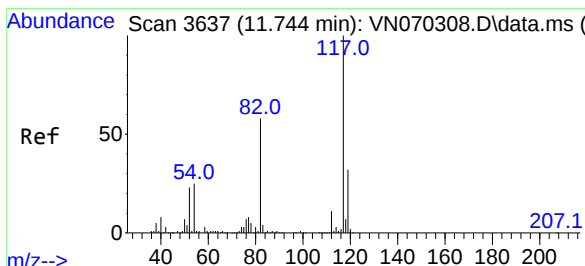
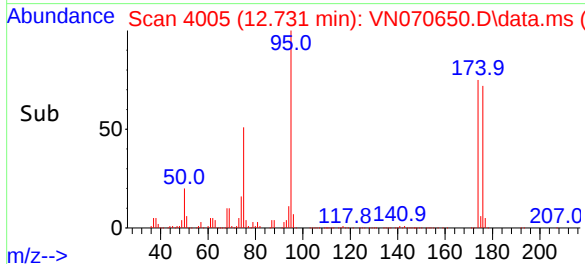
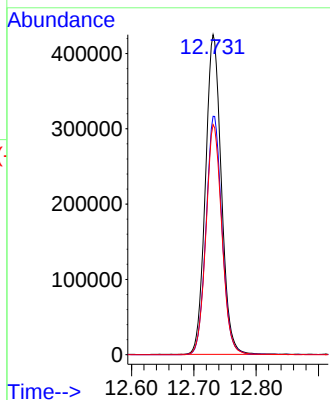
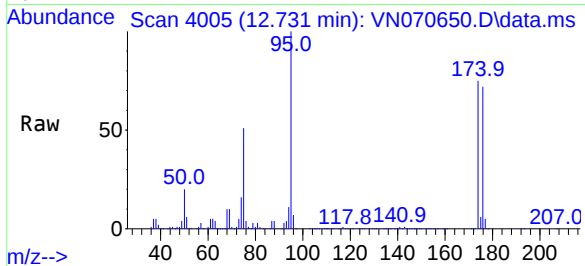




#62
4-Bromofluorobenzene
Concen: 47.666 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

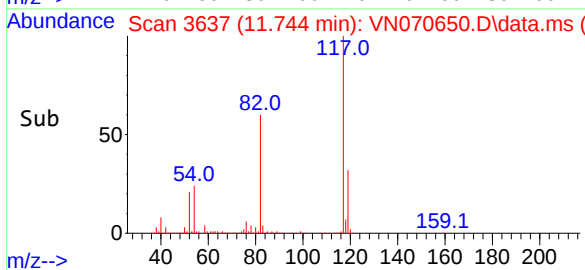
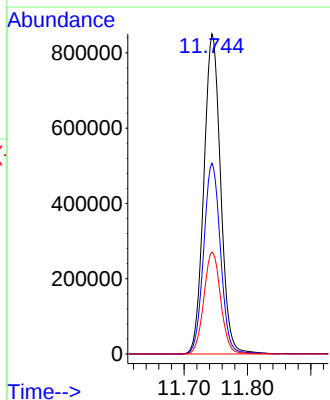
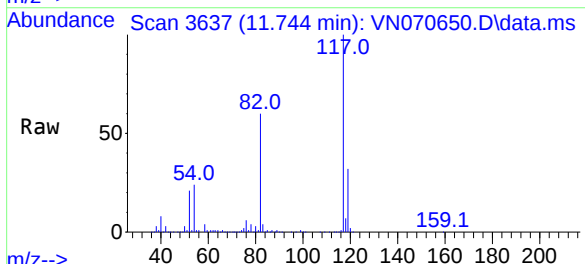
Instrument :
MSVOA_N
ClientSampleId :
41172ME

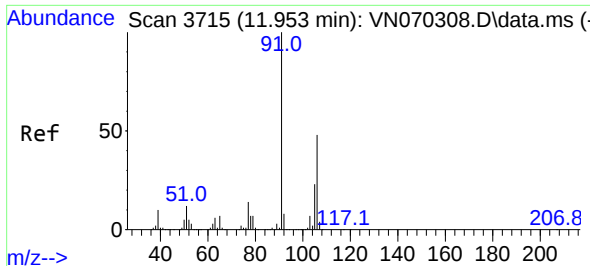
Tgt Ion: 95 Resp: 750992
Ion Ratio Lower Upper
95 100
174 74.9 0.0 187.2
176 72.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 117 Resp: 1560408
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.9 25.4 38.2

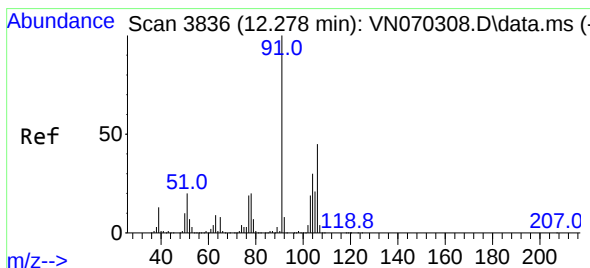
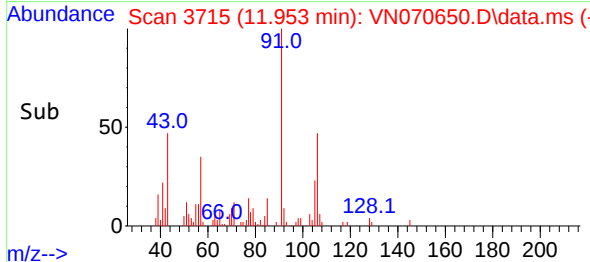
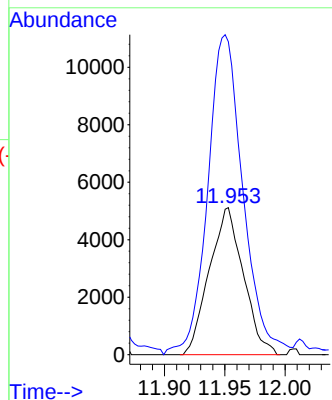
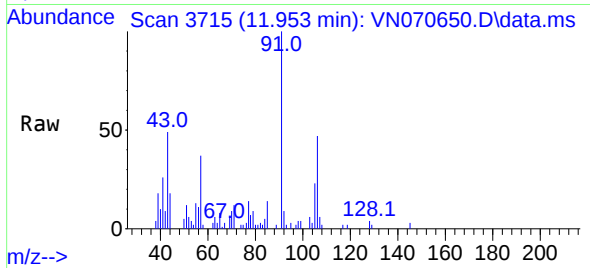




#68
m/p-Xylenes
Concen: 0.456 ug/l
RT: 11.953 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

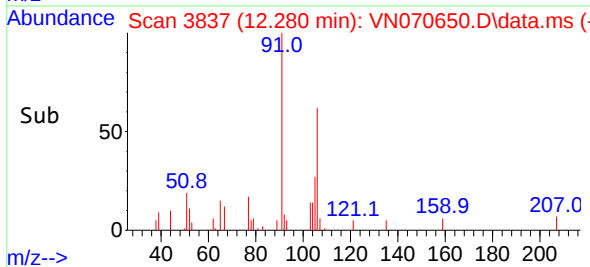
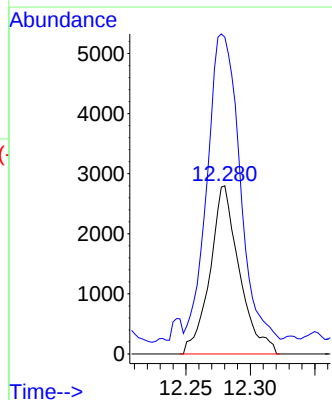
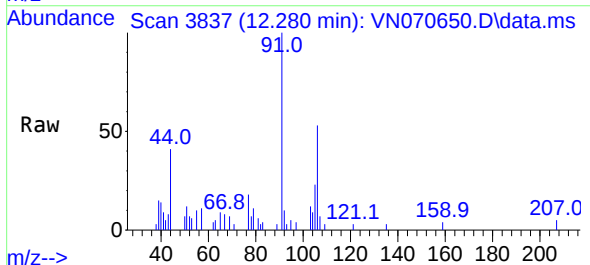
Instrument :
MSVOA_N
ClientSampleId :
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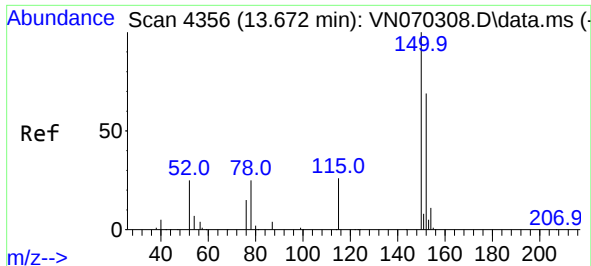
Tgt Ion:106 Resp: 10064
Ion Ratio Lower Upper
106 100
91 225.5 160.6 240.8



#69
o-Xylene
Concen: 0.201 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion:106 Resp: 4425
Ion Ratio Lower Upper
106 100
91 201.7 105.8 317.3

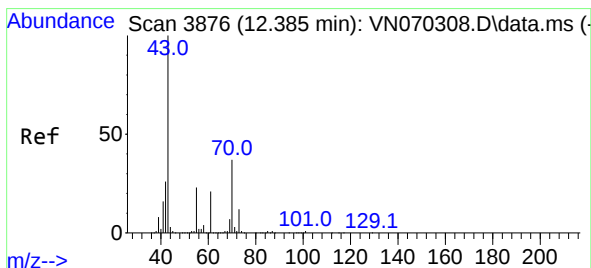
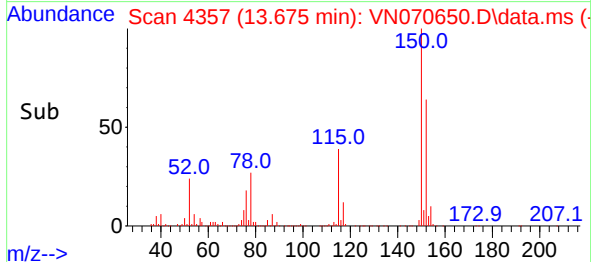
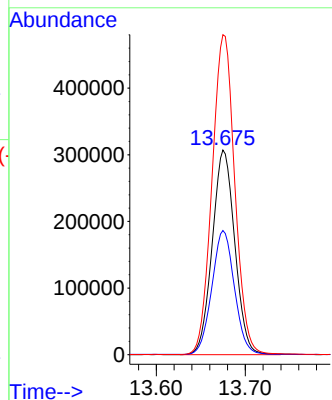
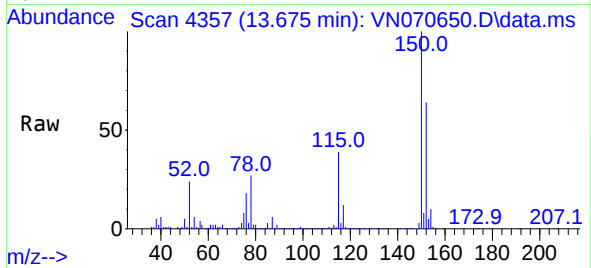




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

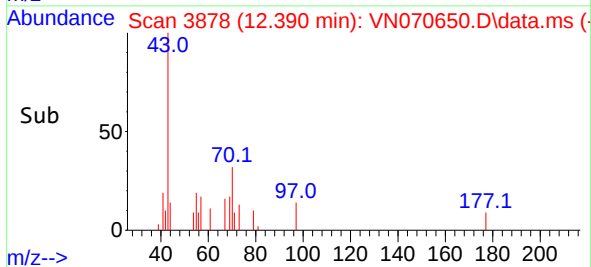
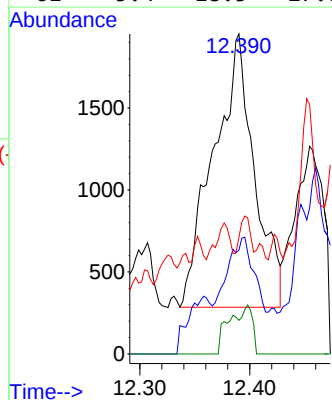
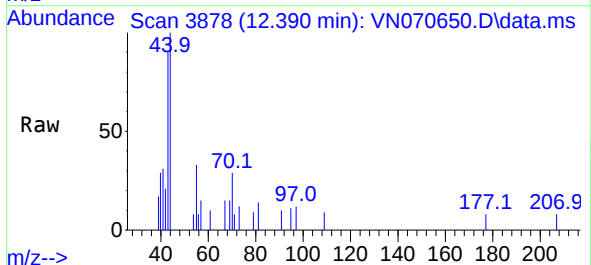
Instrument :
MSVOA_N
ClientSampleId :
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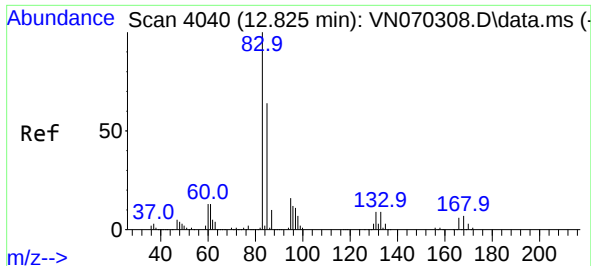
Tgt Ion:152 Resp: 540439
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.6 0.0 344.4



#74
N-ethyl acetate
Concen: 0.203 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.005 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 43 Resp: 4293
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 2.5 19.3 28.9#
61 5.4 18.5 27.7#

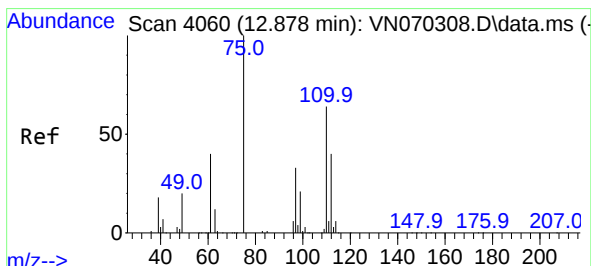
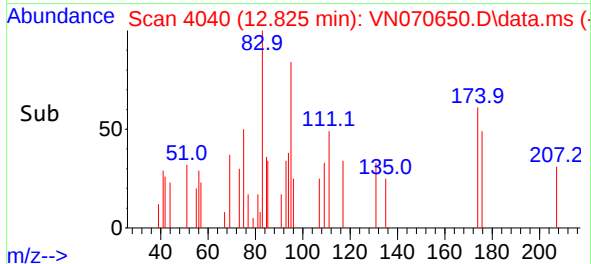
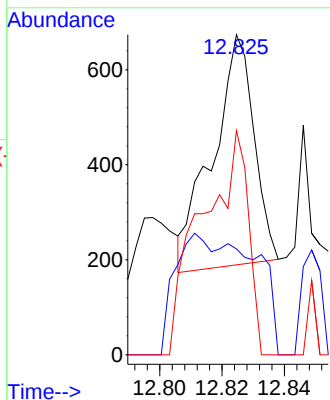
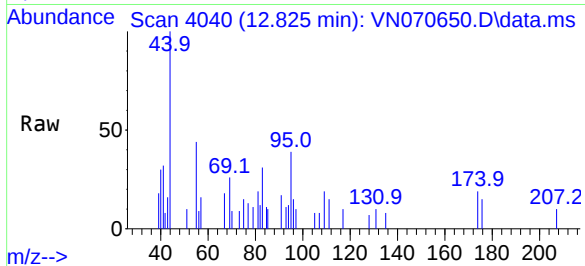




#75
1,1,2,2-Tetrachloroethane
Concen: 0.471 ug/l
RT: 12.825 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

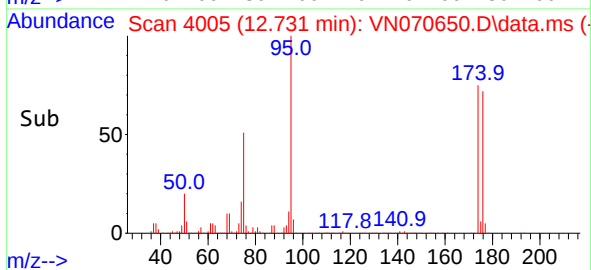
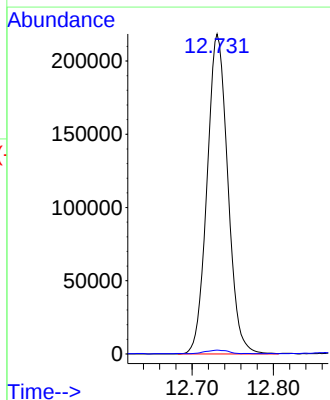
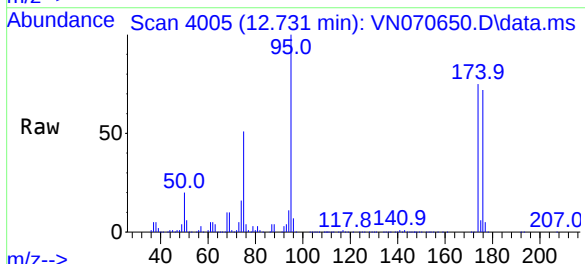
Instrument :
MSVOA_N
ClientSampleId :
41172ME

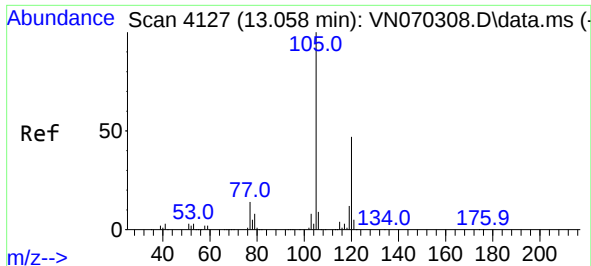
Tgt Ion: 83 Resp: 448
Ion Ratio Lower Upper
83 100
131 46.4 5.5 16.5#
85 107.8 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 25.606 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 75 Resp: 387105
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

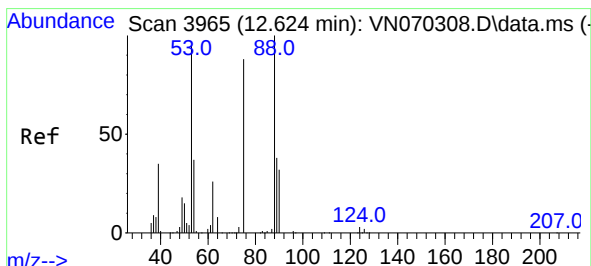
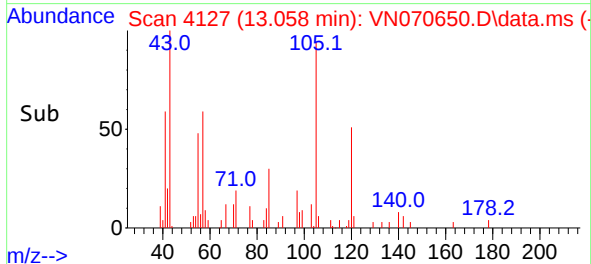
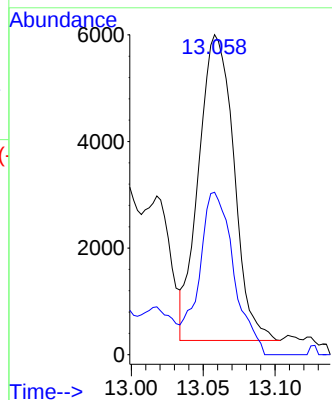
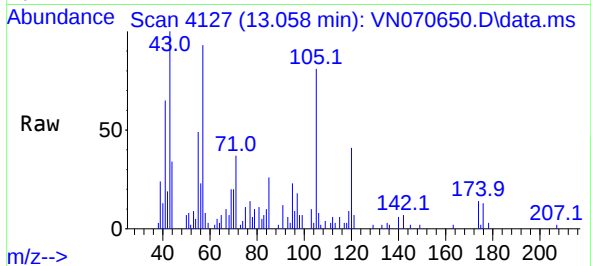




#80
1,3,5-Trimethylbenzene
Concen: 0.243 ug/l
RT: 13.058 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

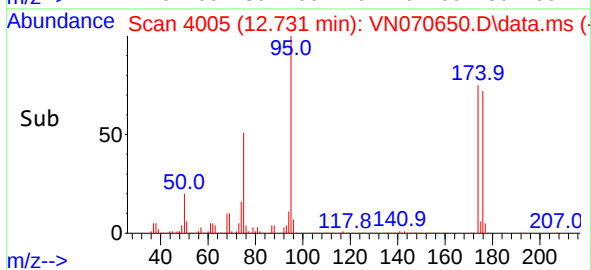
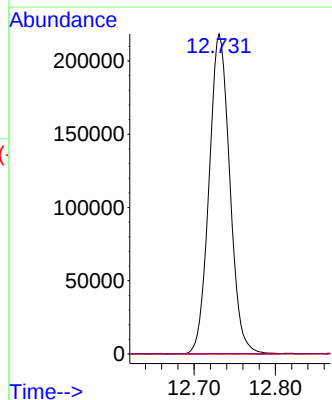
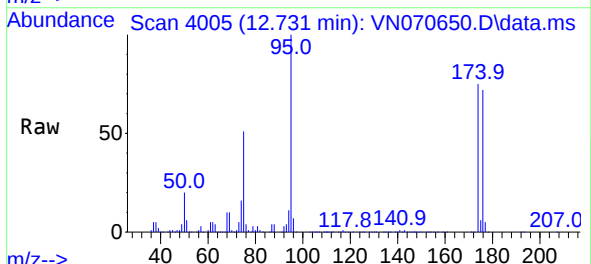
Instrument :
MSVOA_N
ClientSampleId :
41172ME

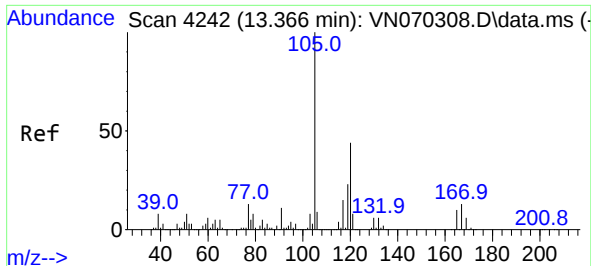
Tgt Ion:105 Resp: 9770
Ion Ratio Lower Upper
105 100
120 52.3 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 87.513 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion: 75 Resp: 387105
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

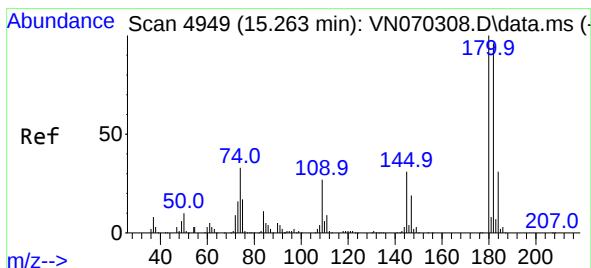
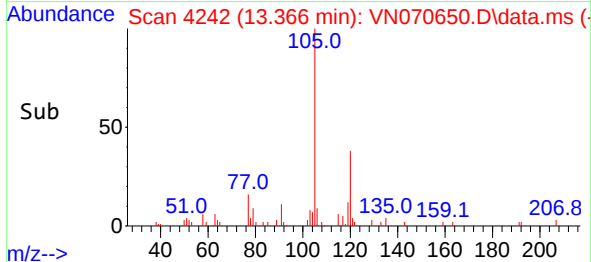
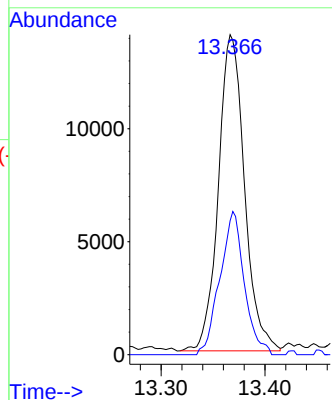
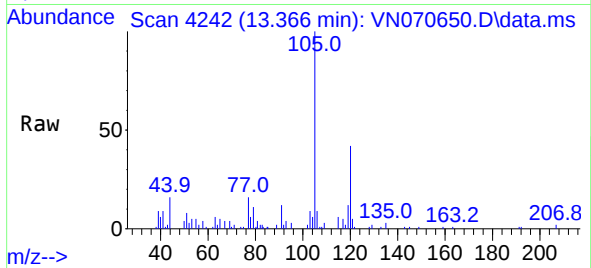




#84
1,2,4-Trimethylbenzene
Concen: 0.631 ug/l
RT: 13.366 min Scan# 41172ME
Delta R.T. 0.000 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

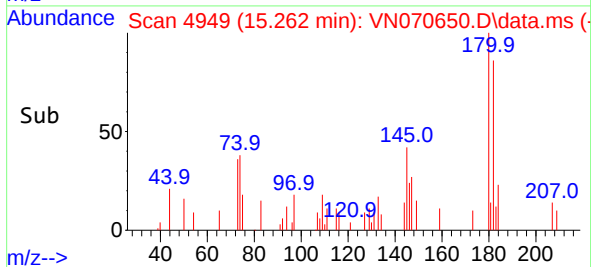
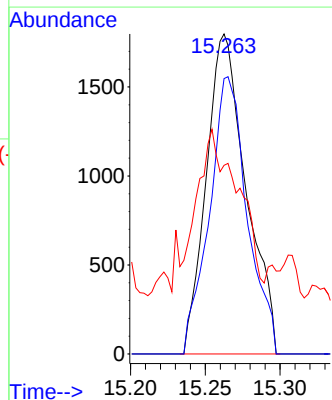
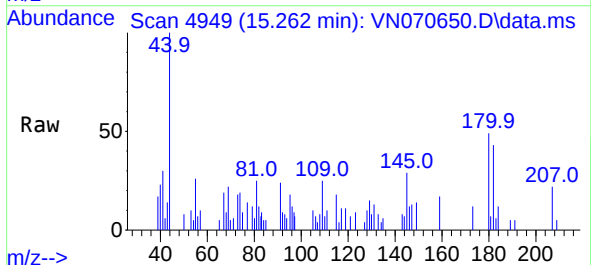
Instrument :
MSVOA_N
ClientSampleId :

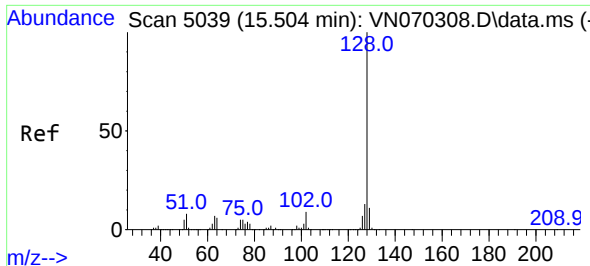
Tgt Ion:105 Resp: 24441
Ion Ratio Lower Upper
105 100
120 42.4 22.8 68.4



#93
1,2,4-Trichlorobenzene
Concen: 0.374 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.001 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion:180 Resp: 3334
Ion Ratio Lower Upper
180 100
182 82.3 48.3 144.9
145 48.2 14.5 43.5#

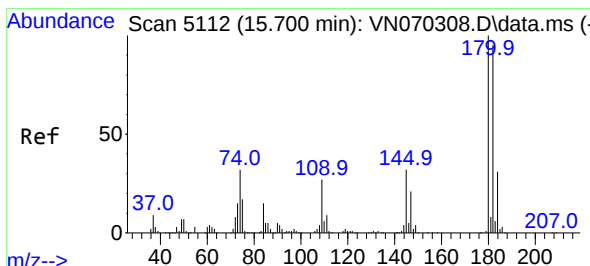
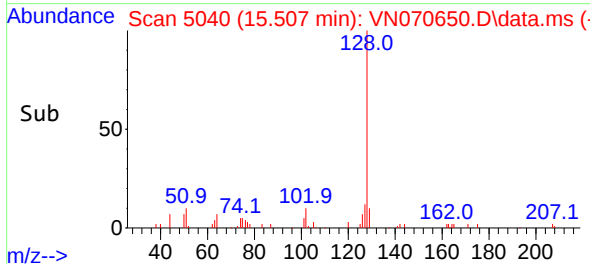
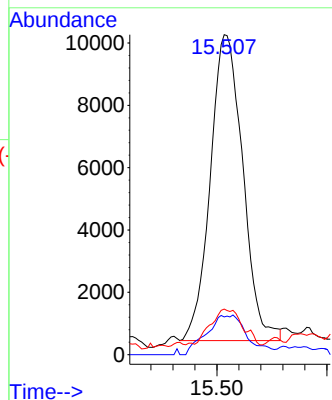
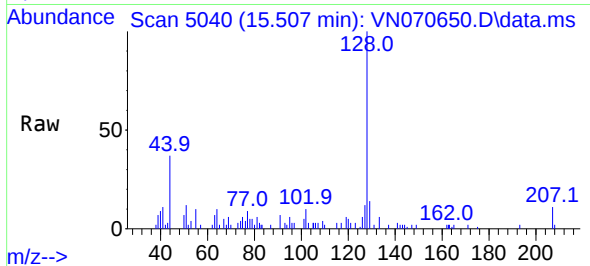




#95
Naphthalene
Concen: 2.587 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Instrument :
MSVOA_N
ClientSampleId :
41172ME

Tgt Ion:128 Resp: 20178
Ion Ratio Lower Upper
128 100
127 7.5 10.5 15.7#
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.323 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070650.D
Acq: 17 Jan 2022 17:20

Tgt Ion:180 Resp: 4307
Ion Ratio Lower Upper
180 100
182 78.6 47.4 142.2
145 63.9 15.0 45.1#

